

Fig. 1

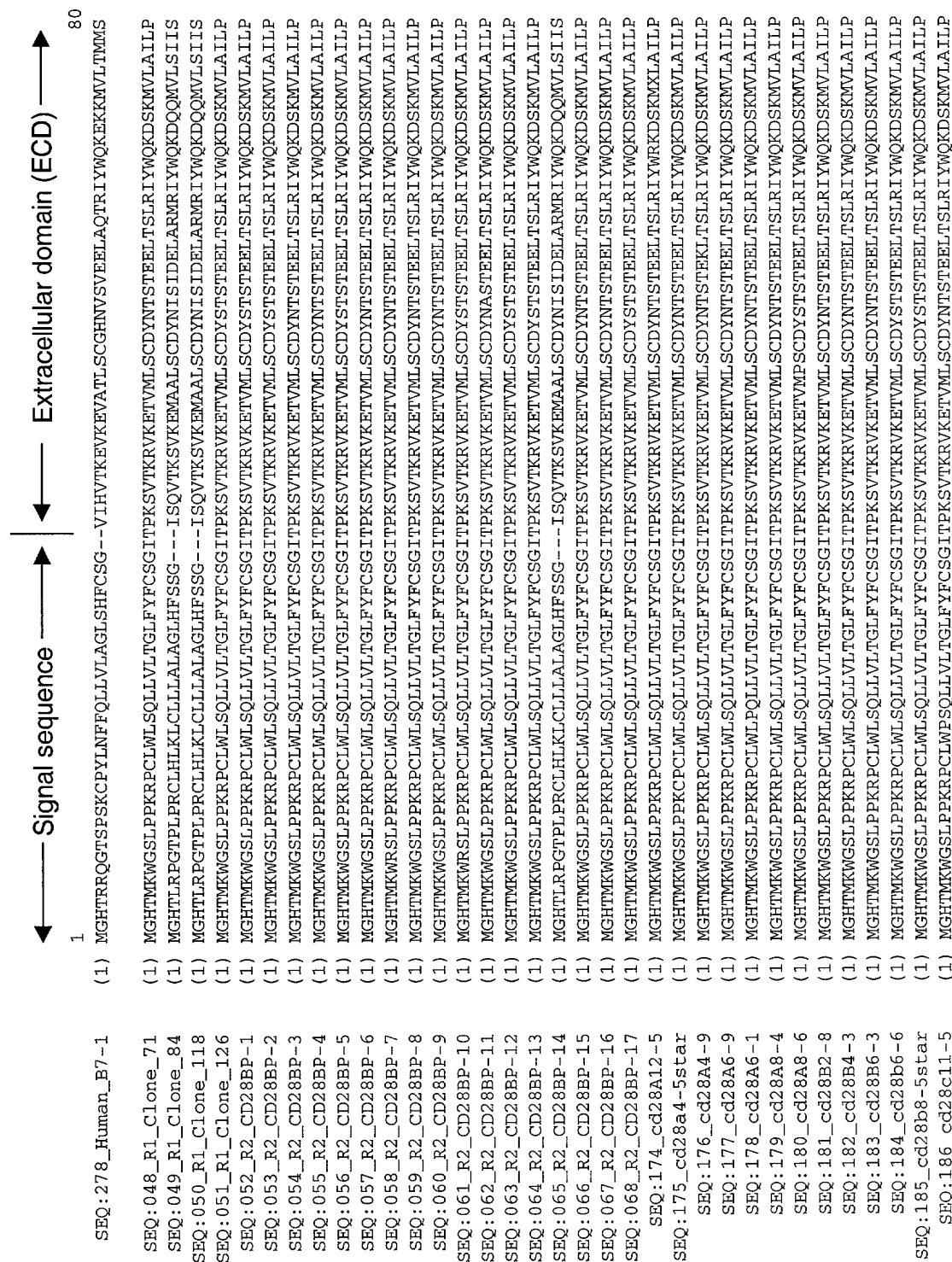


Fig. 2A

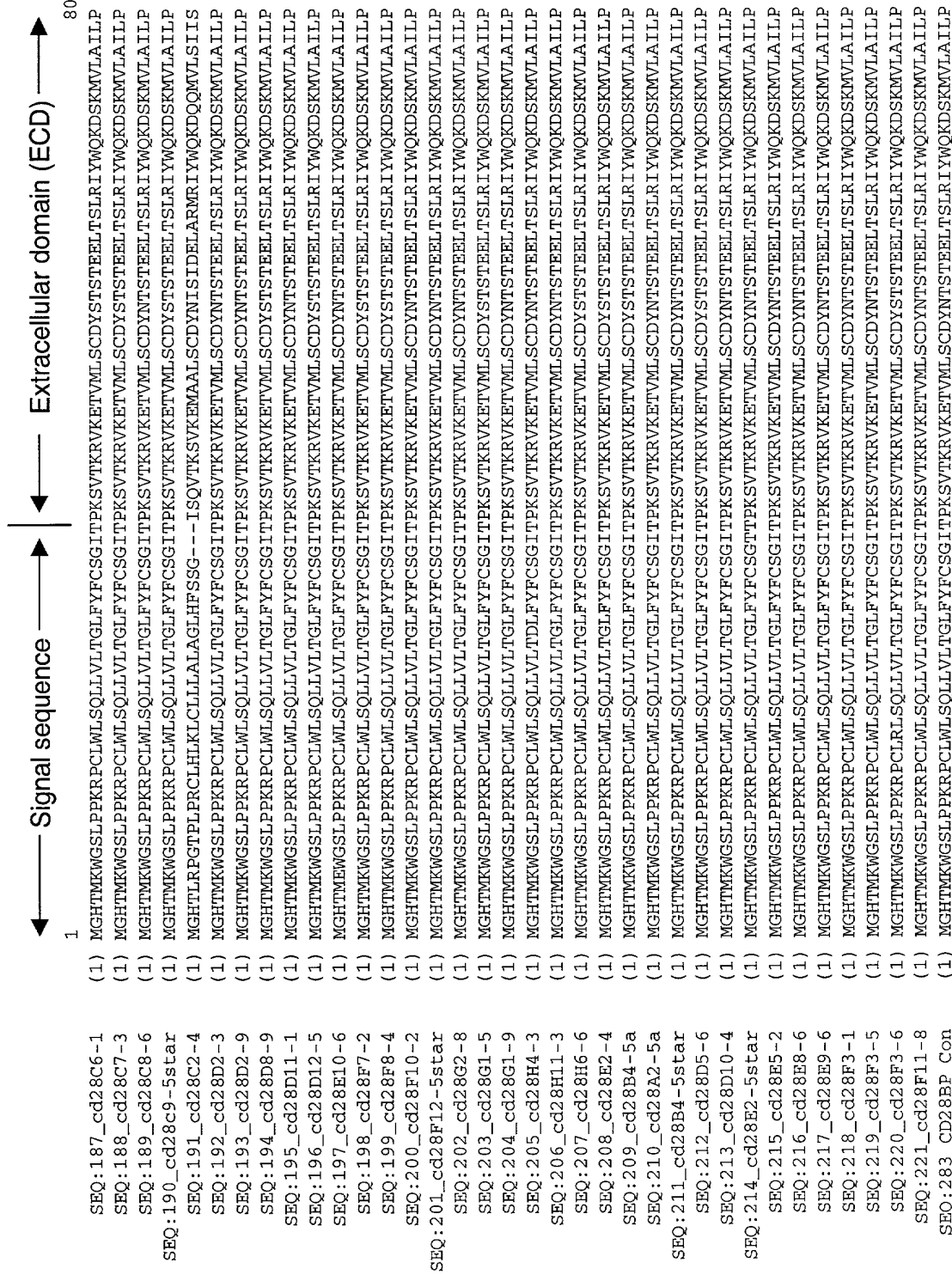


Fig. 2B

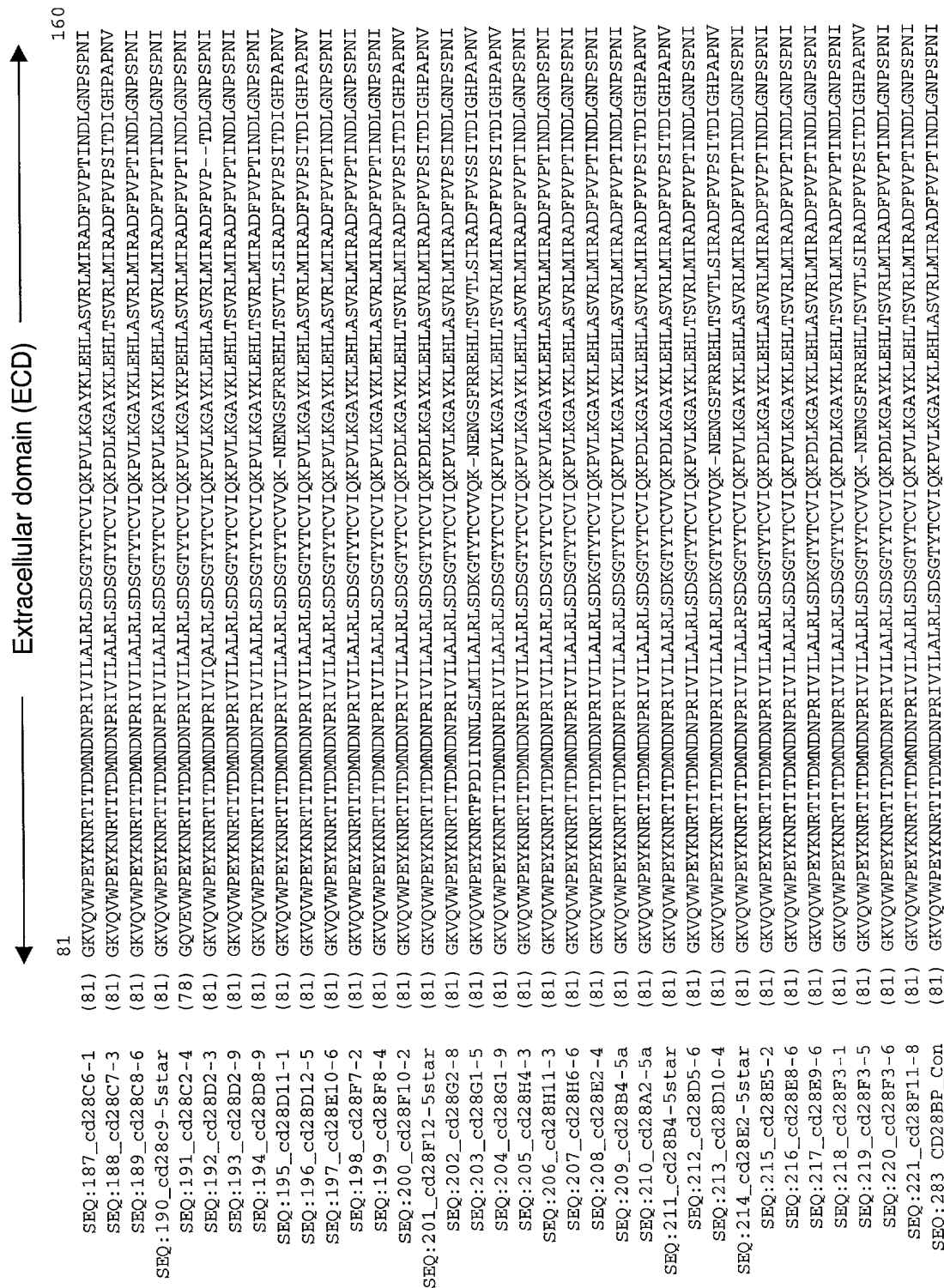


Fig. 2D

Fig. 2E

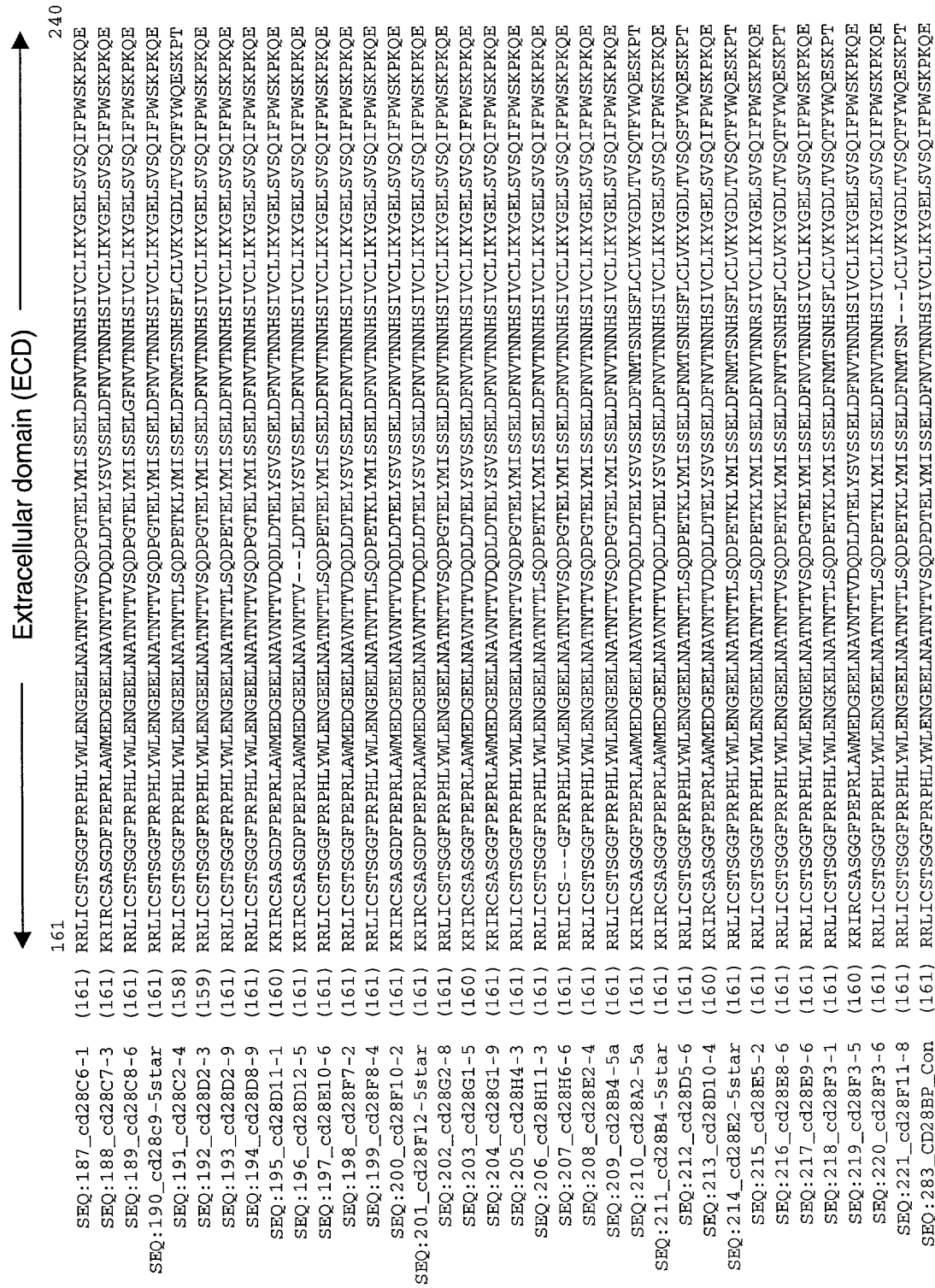
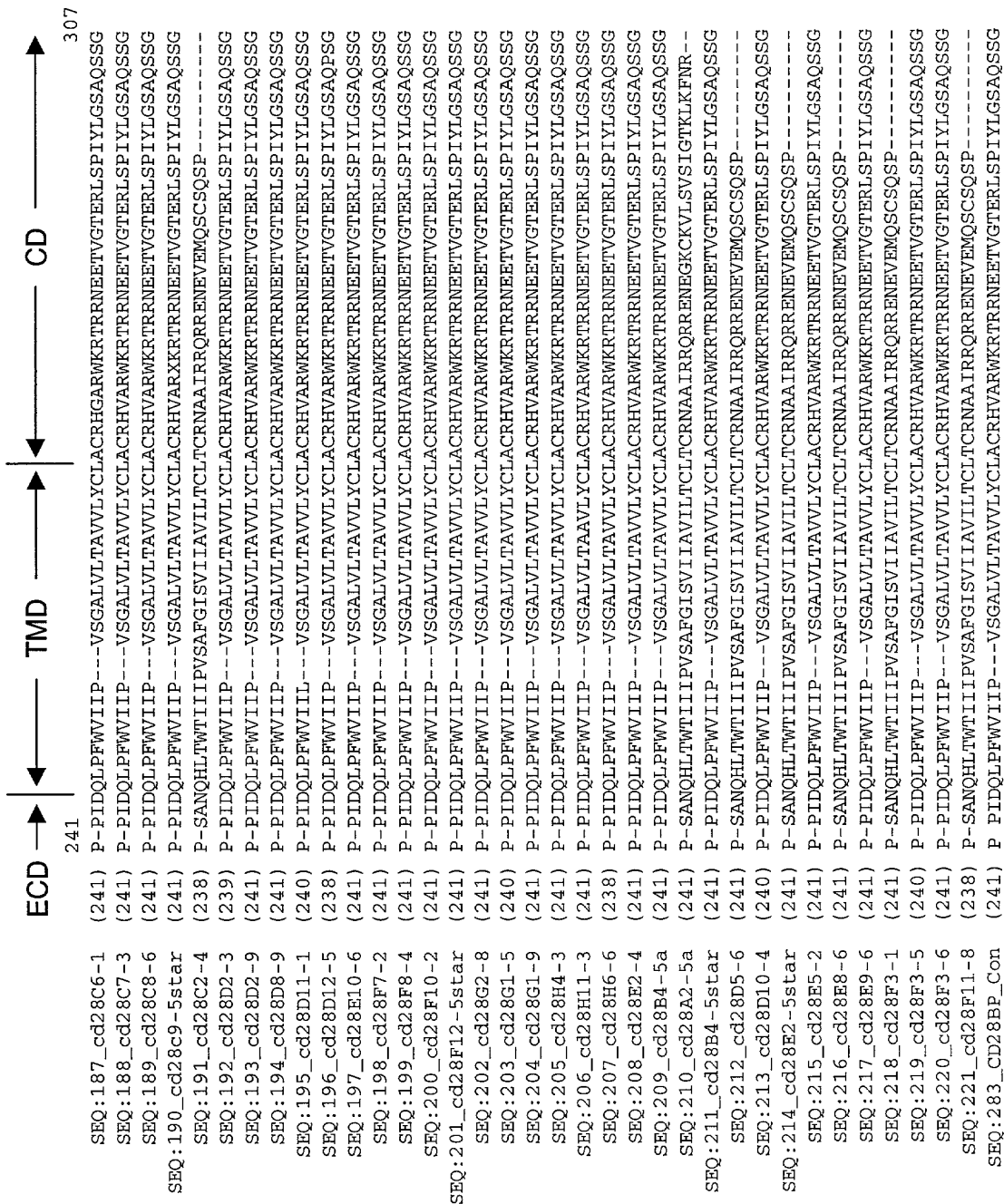


Fig. 2F

ECD → | ← TMD → | ← CD →
 241 307
 SEQ: 278_Human_B7-1 (238) HFPDNLPSWAITL-----ISVNGIFVICCLTYCFAPCRERRRNE-RLRRESVRPV-----
 SEQ: 048_R1_Clone_71 (241) P-SANQHLTWTIIIPVSFAFGISVIIIAVILTCLTCRNAAIRRRORRENEVEMQSCSQSP-----
 SEQ: 049_R1_Clone_84 (237) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
 SEQ: 050_R1_Clone_118 (237) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
 SEQ: 051_R1_Clone_126 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
 SEQ: 052_R2_CD28BP-1 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
 SEQ: 053_R2_CD28BP-2 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
 SEQ: 054_R2_CD28BP-3 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
 SEQ: 055_R2_CD28BP-4 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
 SEQ: 056_R2_CD28BP-5 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
 SEQ: 057_R2_CD28BP-6 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
 SEQ: 058_R2_CD28BP-7 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
 SEQ: 059_R2_CD28BP-8 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
 SEQ: 060_R2_CD28BP-9 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
 SEQ: 061_R2_CD28BP-10 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
 SEQ: 062_R2_CD28BP-11 (240) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
 SEQ: 063_R2_CD28BP-12 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
 SEQ: 064_R2_CD28BP-13 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
 SEQ: 065_R2_CD28BP-14 (238) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
 SEQ: 066_R2_CD28BP-15 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
 SEQ: 067_R2_CD28BP-16 (241) P-PIDQLPFWVIIP---VSGALVLAHVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
 SEQ: 068_R2_CD28BP-17 (240) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
 SEQ: 174_cd28A12-5 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
 SEQ: 175_cd28A4-5star (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
 SEQ: 176_cd28A4-9 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
 SEQ: 177_cd28A6-9 (241) P-PIDQLPFLAVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
 SEQ: 178_cd28A6-1 (241) P-PIDQLPFRVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
 SEQ: 179_cd28A8-4 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
 SEQ: 180_cd28A8-6 (240) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
 SEQ: 181_cd28B2-8 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
 SEQ: 182_cd28B4-3 (241) P-SANQHLTWTIIIPVSFAFGISVIIIAVILTCLTCRNAAIRRRORRENEVEMQSCSQSP-----
 SEQ: 183_cd28B6-3 (241) P-SANQHLTWTIIIPVSFAFGISVIIIAVILTCLTCRNAAIRRRORRENEVEMQSCSQSP-----
 SEQ: 184_cd28B6-6 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
 SEQ: 185_cd28B8-5star (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
 SEQ: 186_cd28C11-5 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG

Fig. 2G



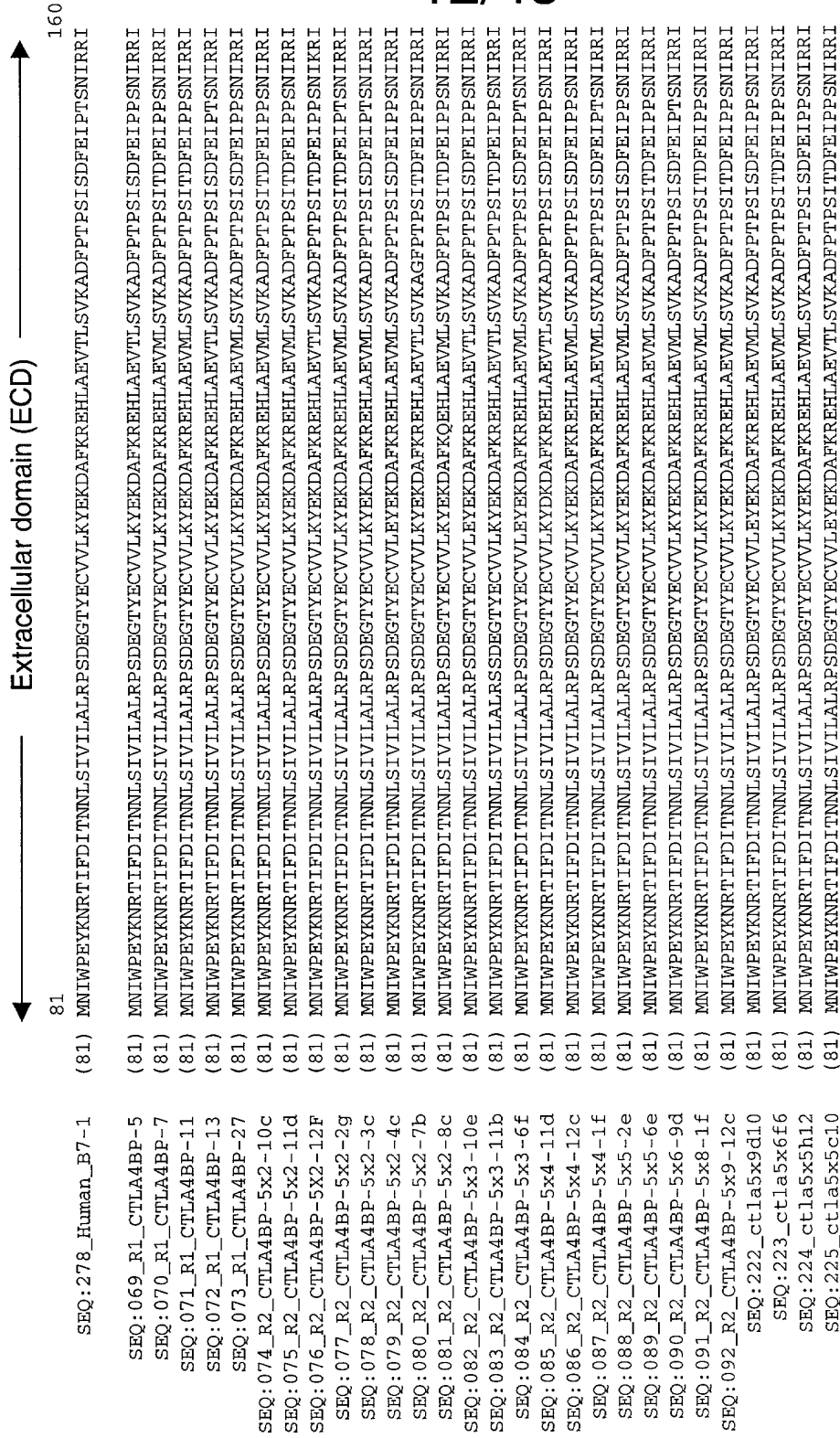


Fig. 3C

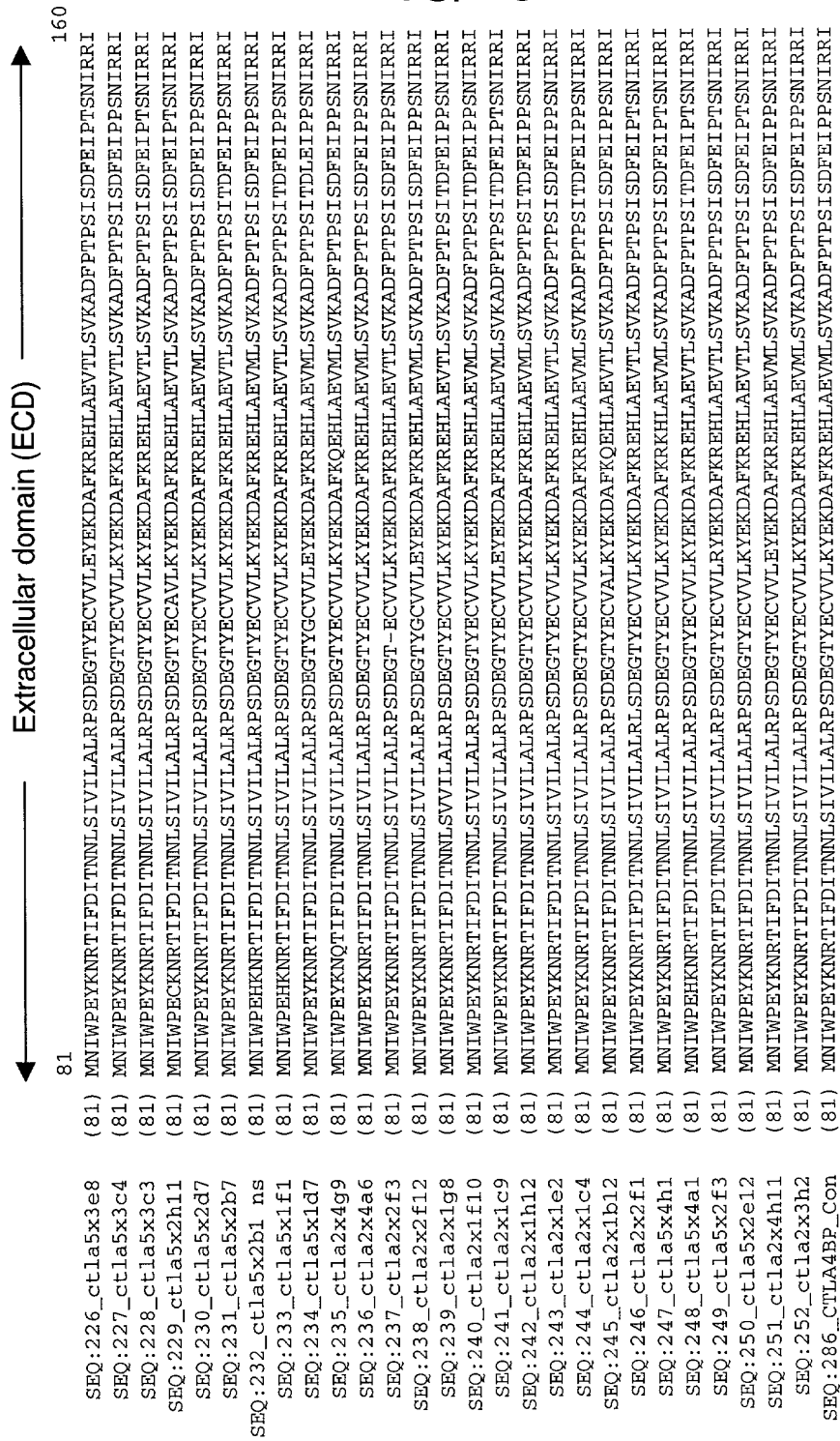


Fig. 3D

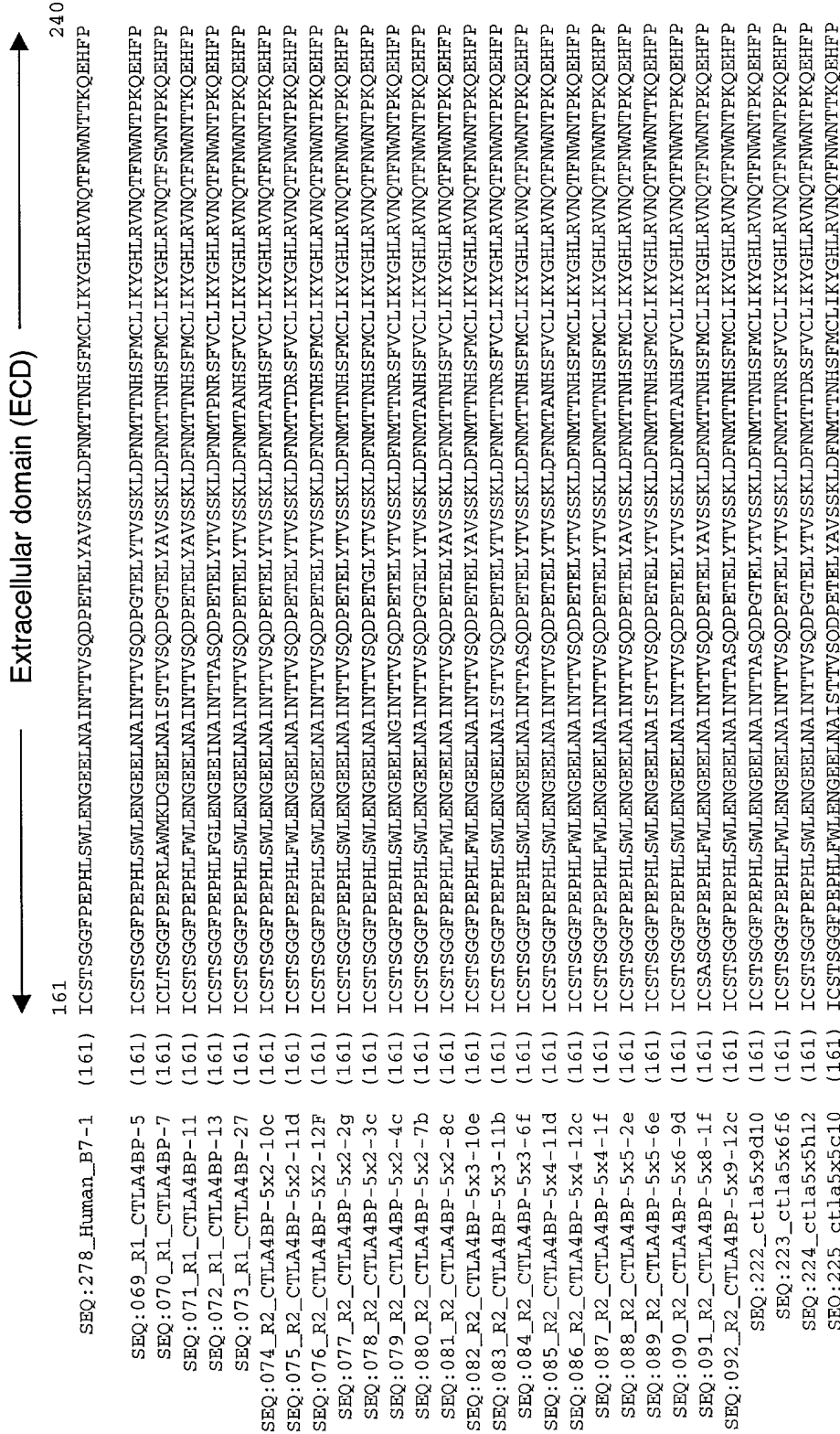


Fig. 3E

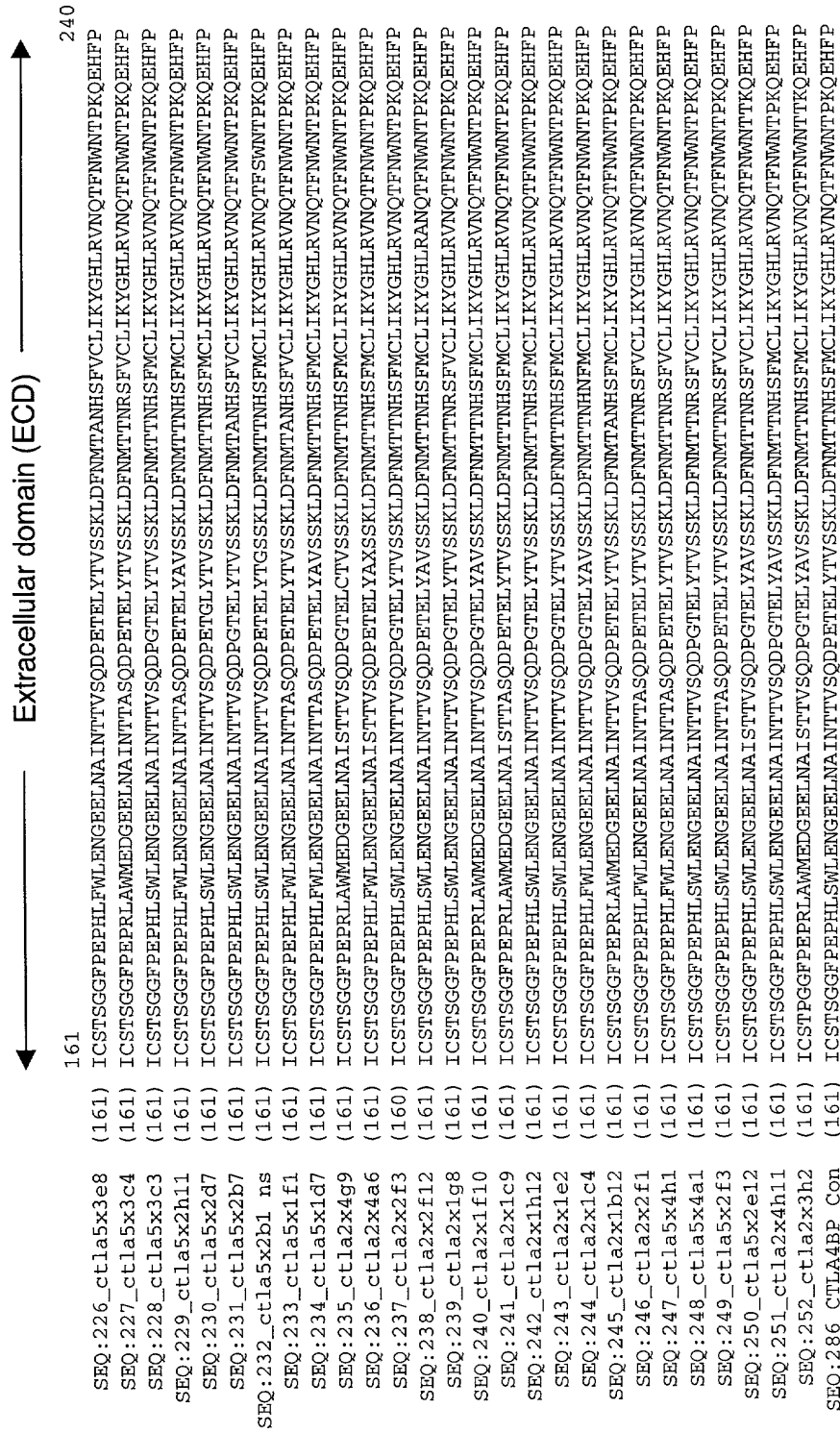


Fig. 3F

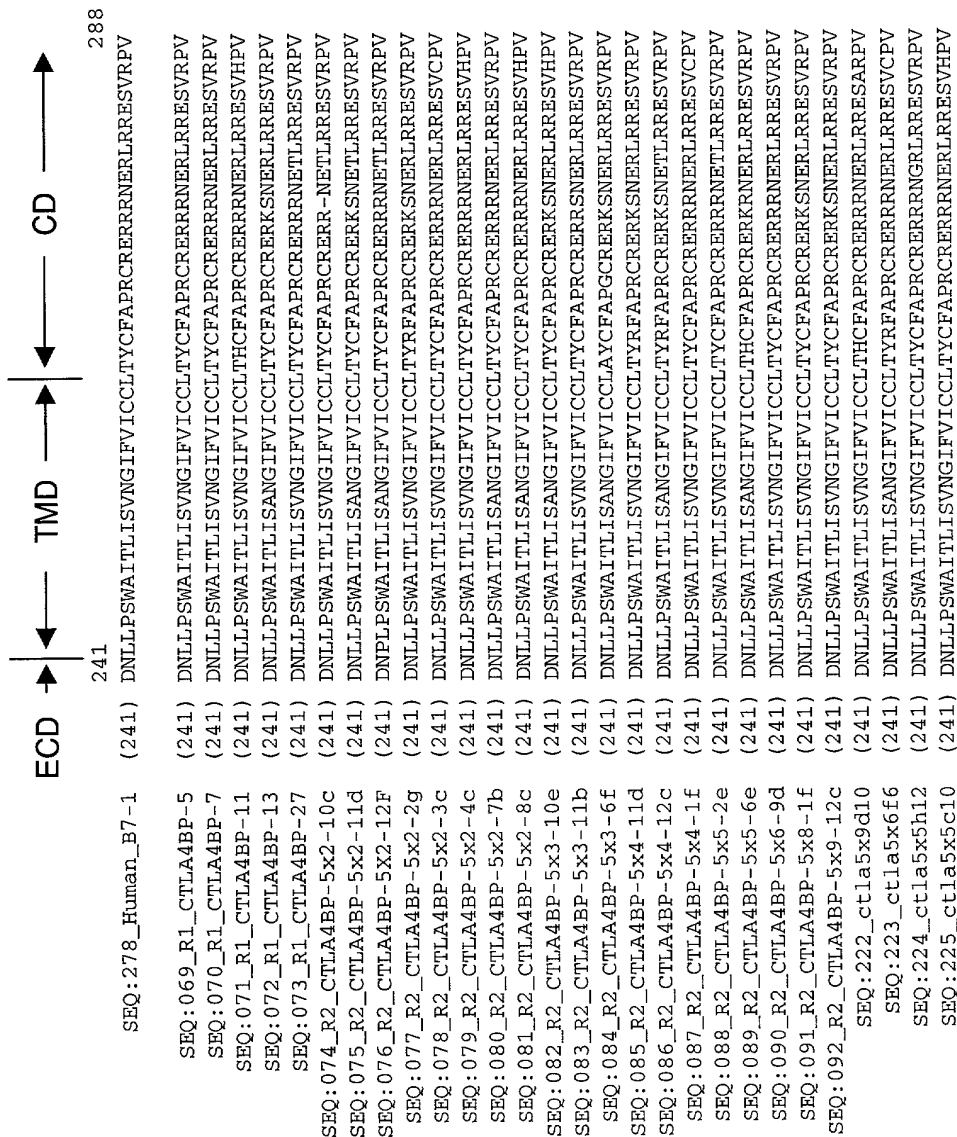


Fig. 3G

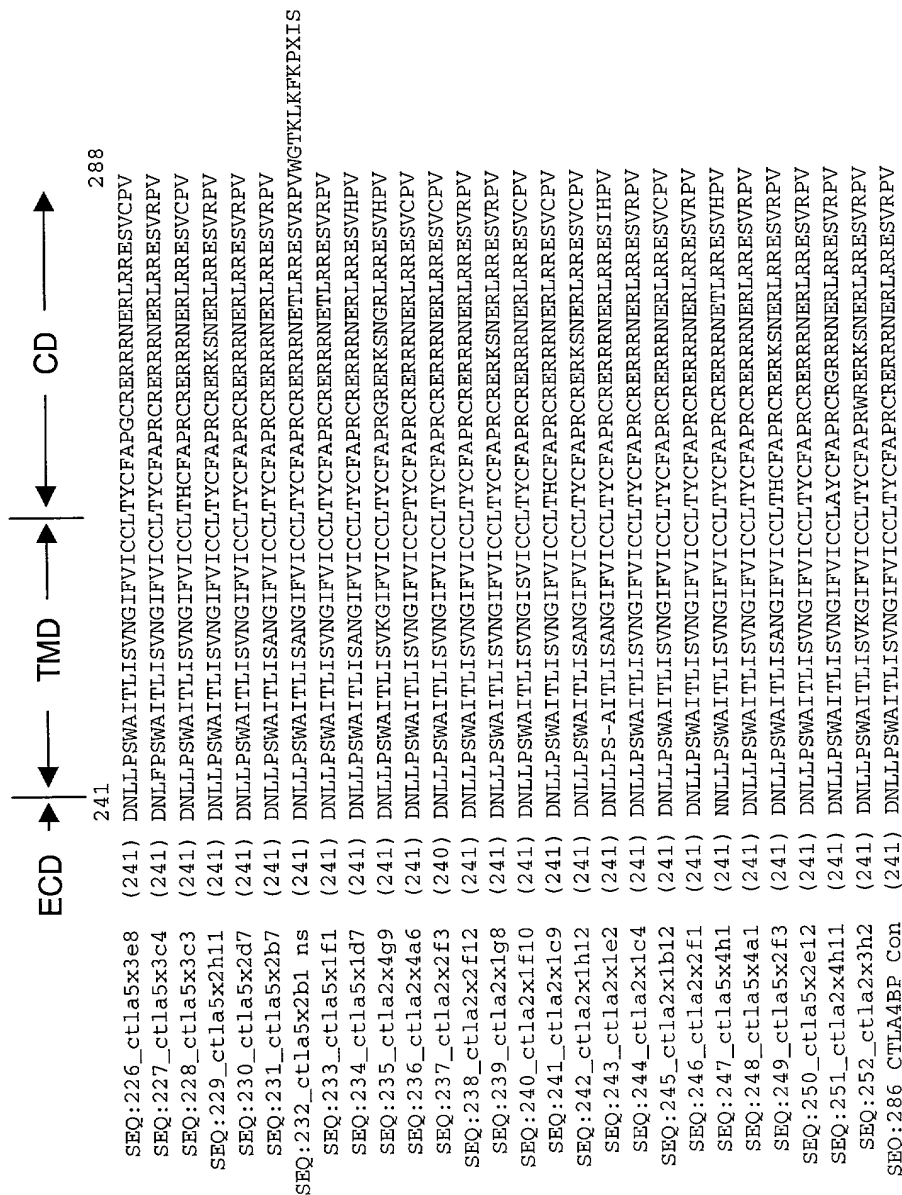


Fig. 3H

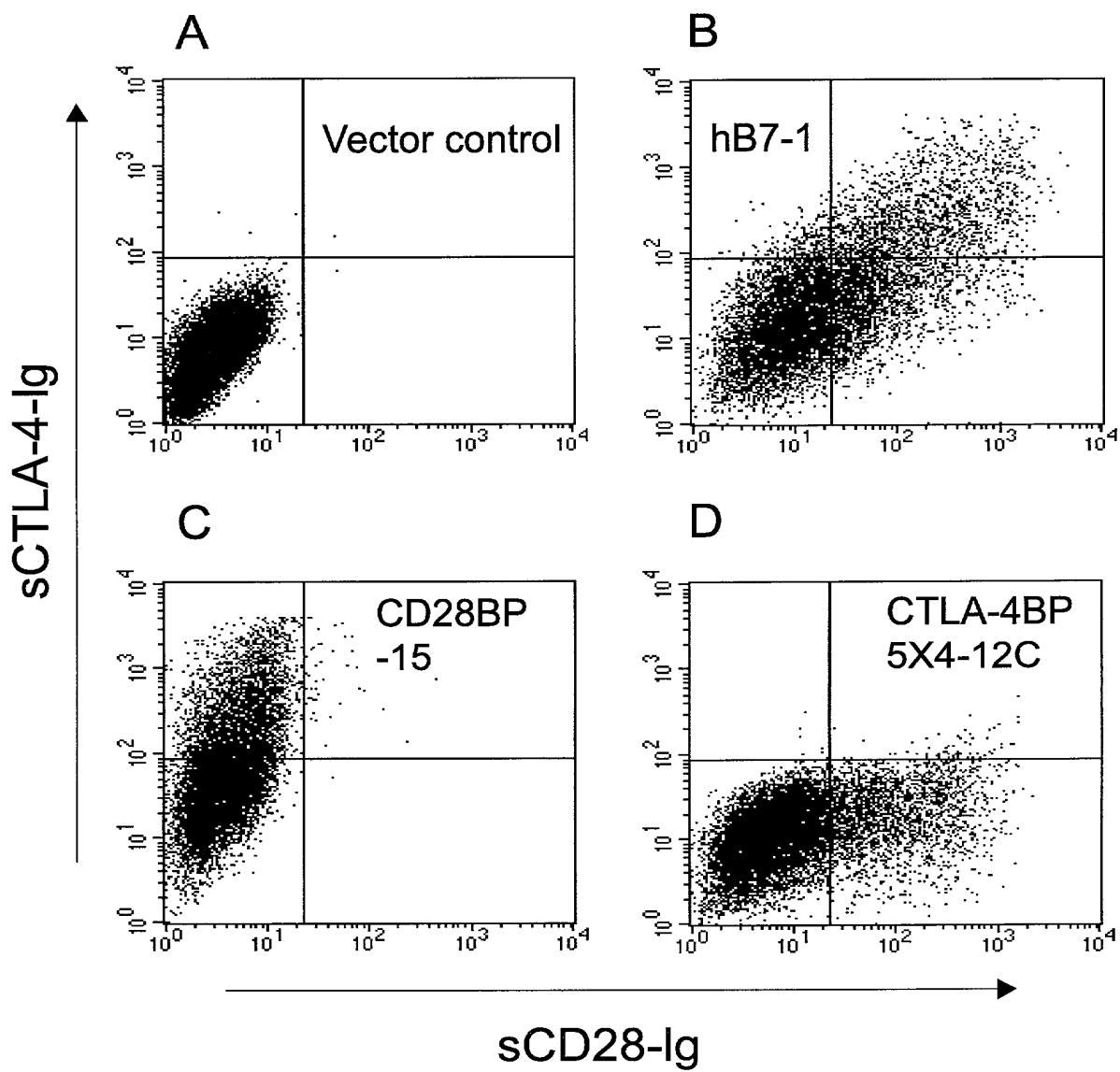


Fig. 4

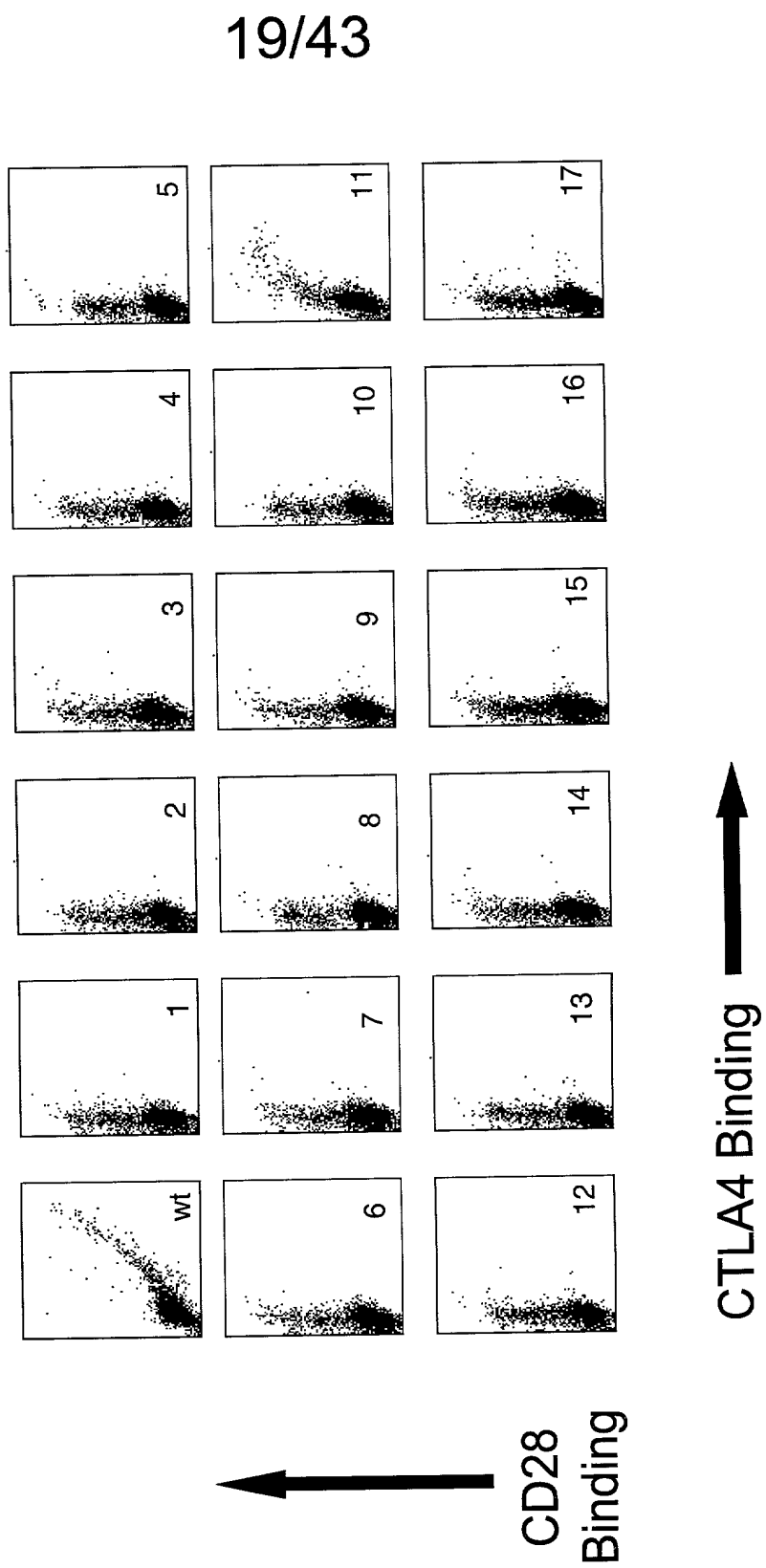


Fig. 5

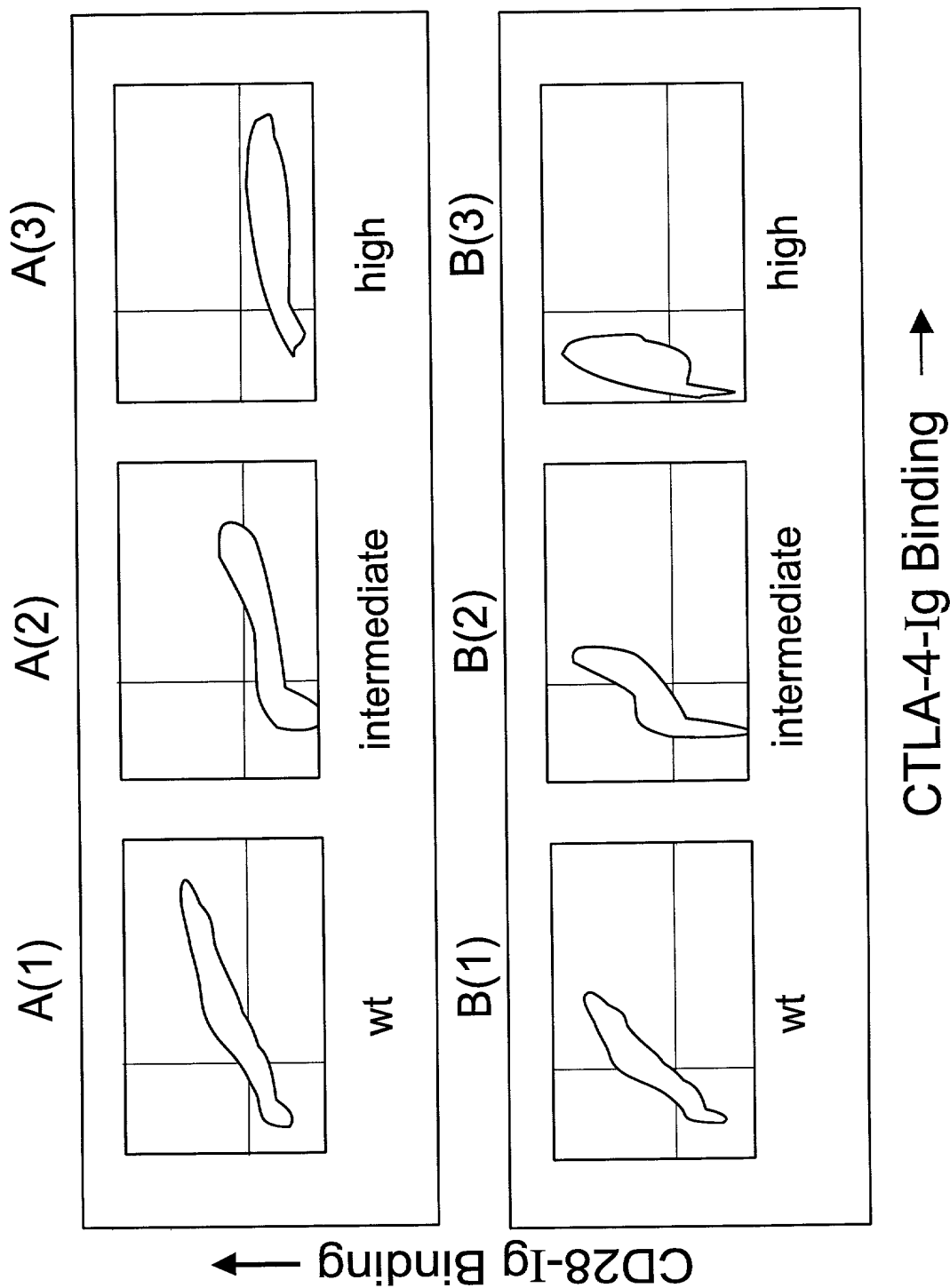


Fig. 6

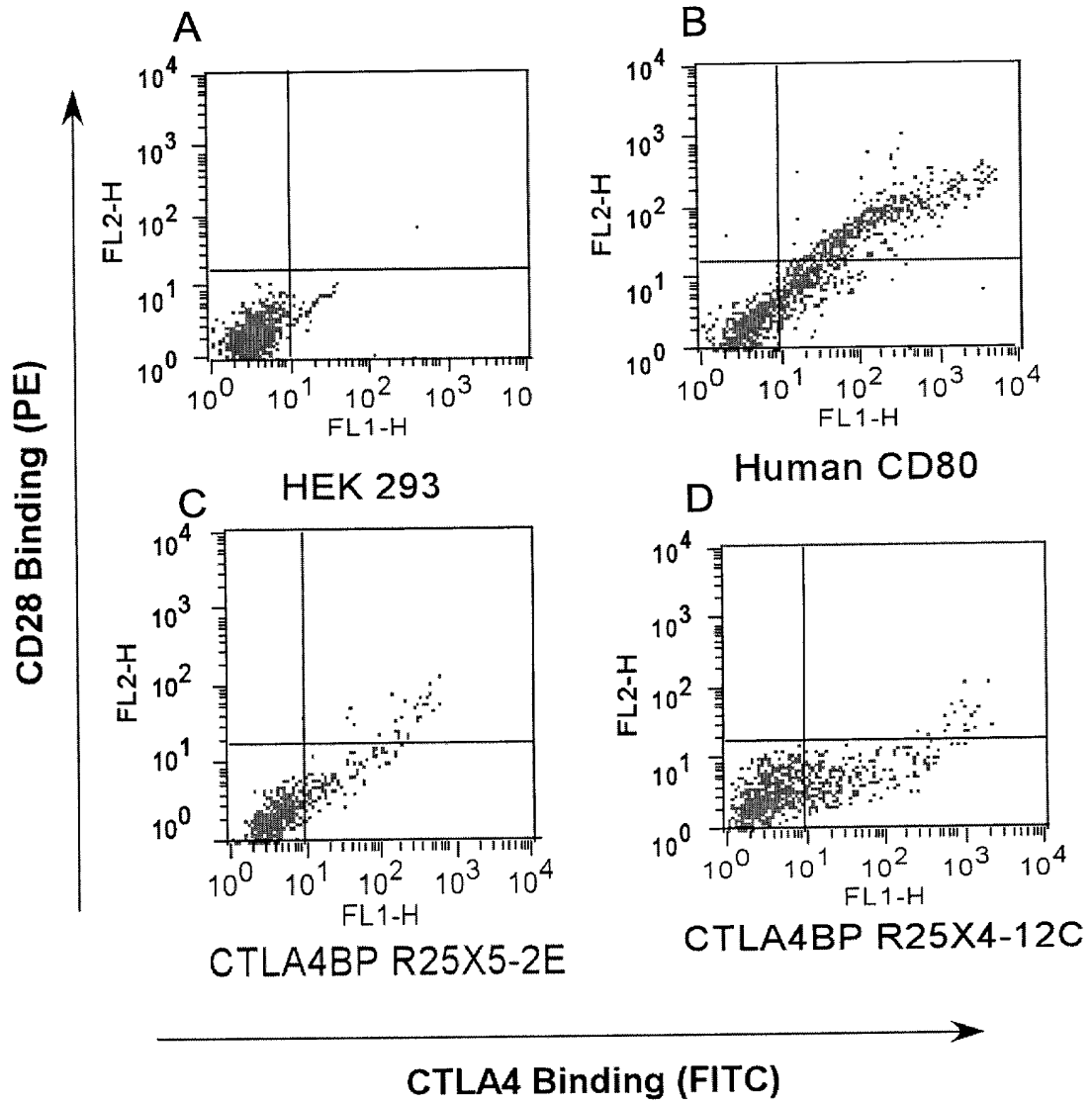


Fig. 7A-D

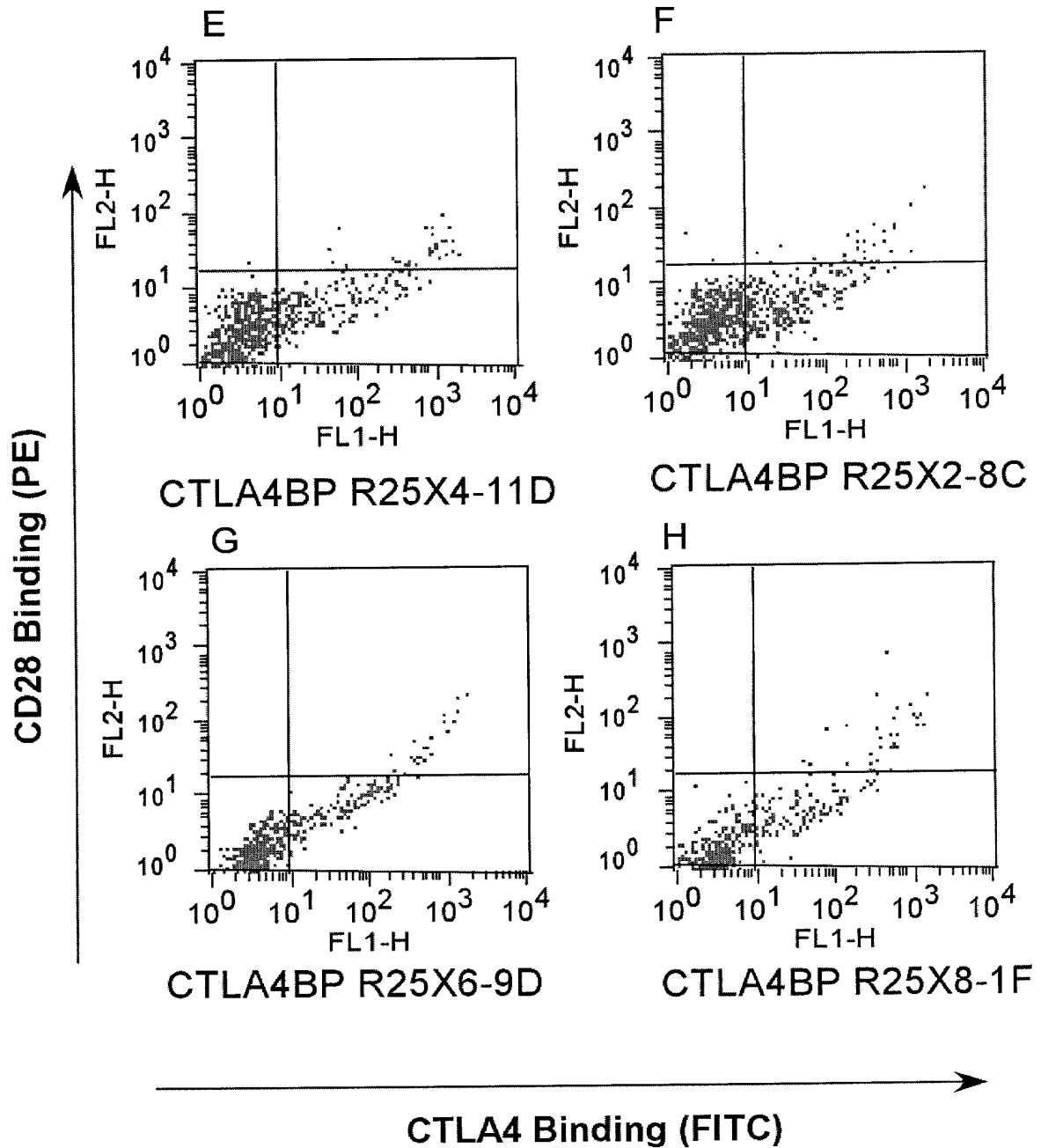


Fig. 7E-H

Fig. 8A

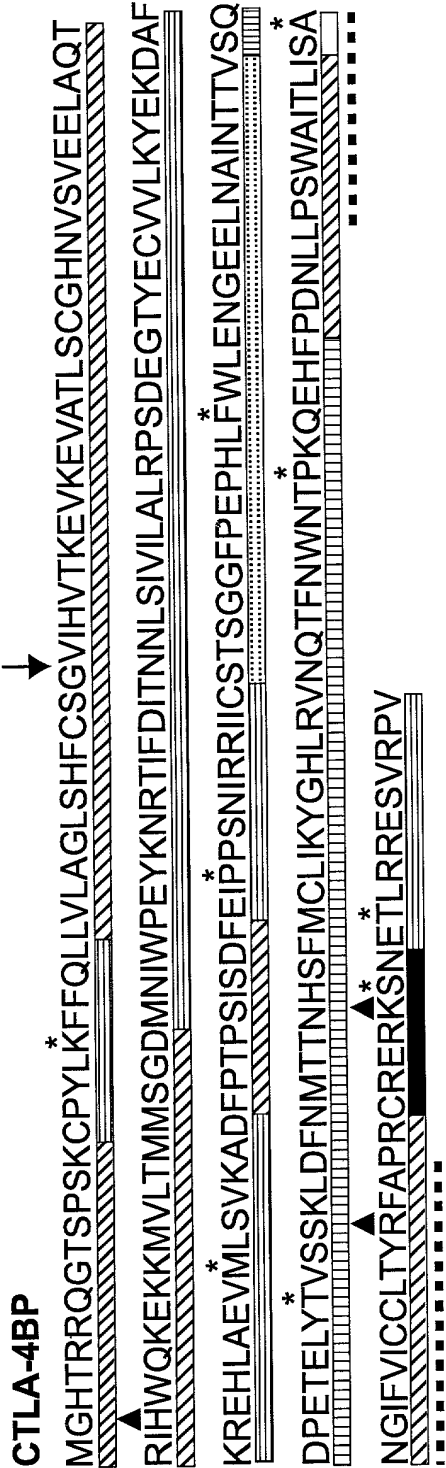
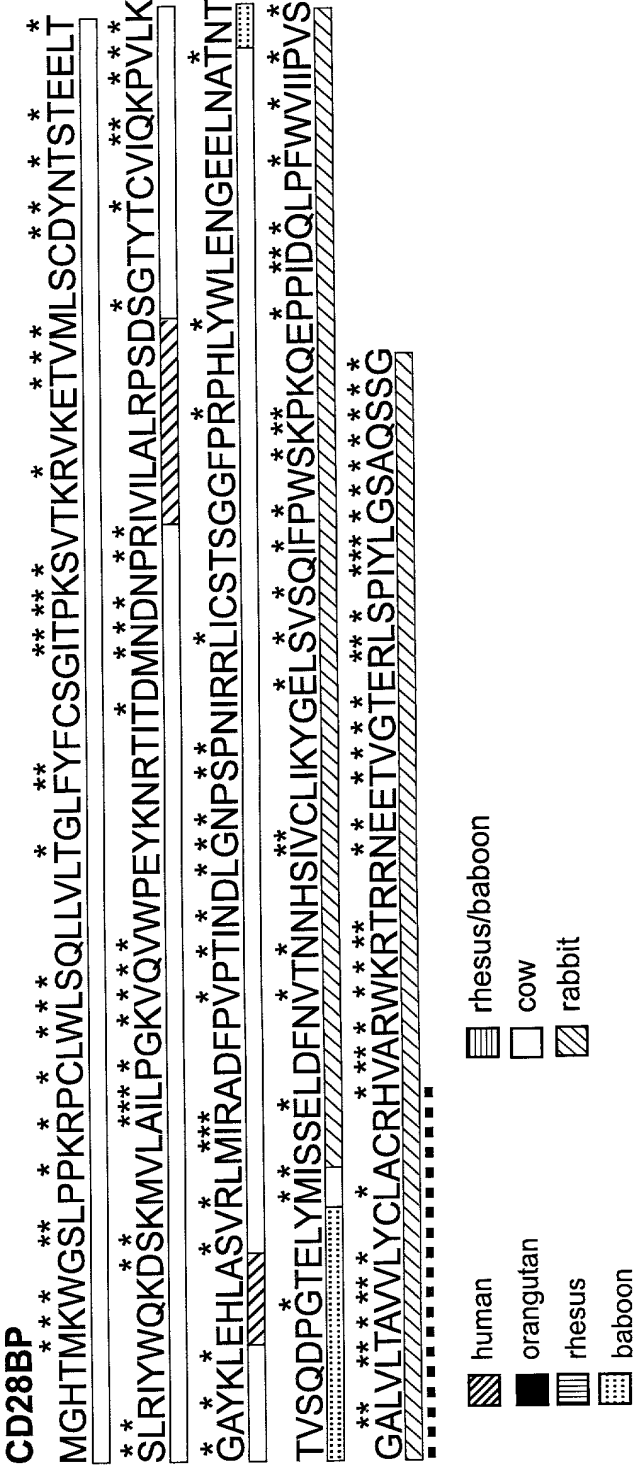


Fig. 8B



- ◇ Vector control
- hB7-1
- ▢ hB7-1-Flag
- CD28BP-15
- CD28BP-Flag
- ▲ CTLA-4BP 5X4-12c

Fig. 9A

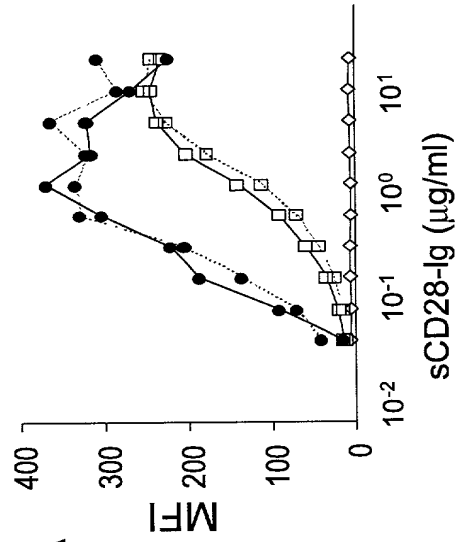


Fig. 9C

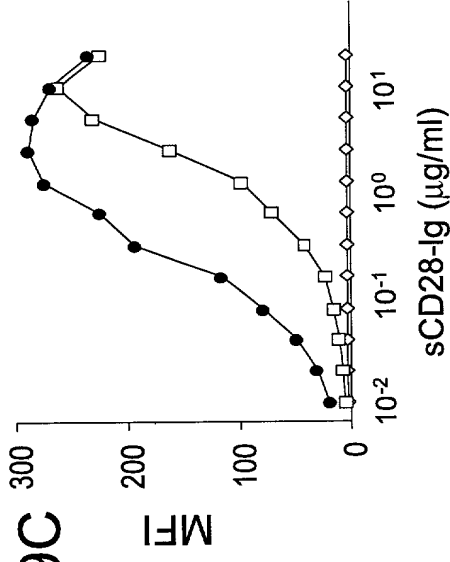


Fig. 9B

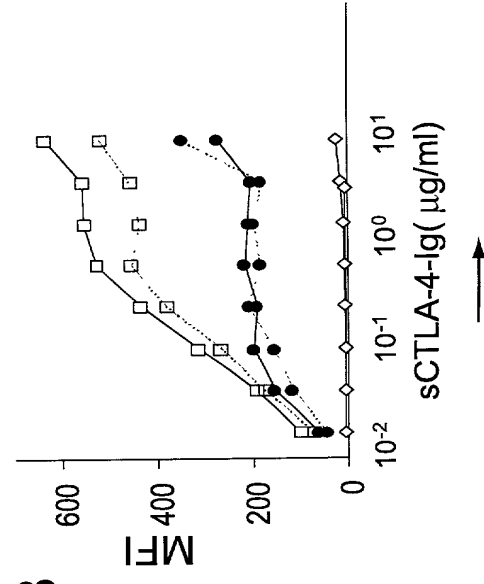
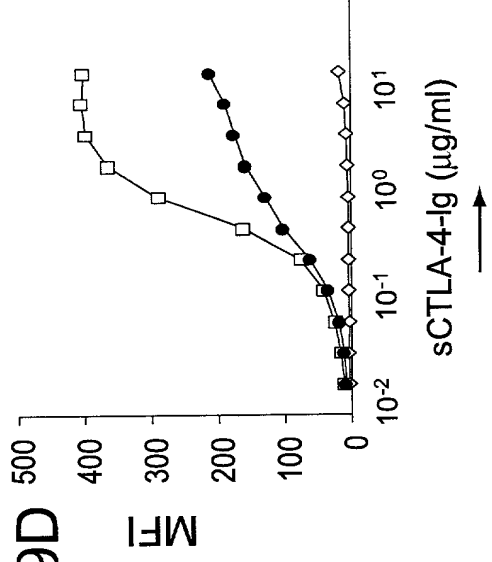


Fig. 9D



- ◇ Vector control
- hB7-1
- CD28BP-15
- ◻ CD28BP-Flag
- ▲ CTLA-4BP 5X4-12c
- ◻ hB7-1-Flag

Fig. 9E

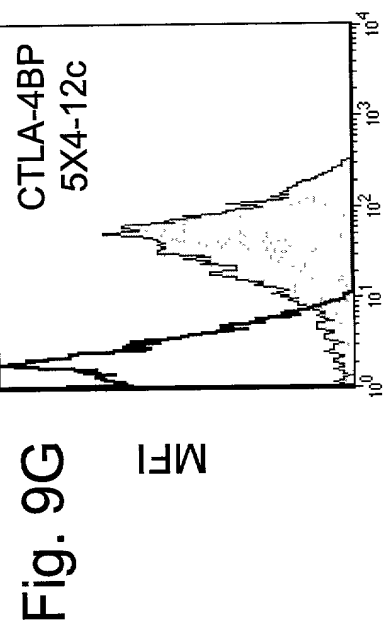
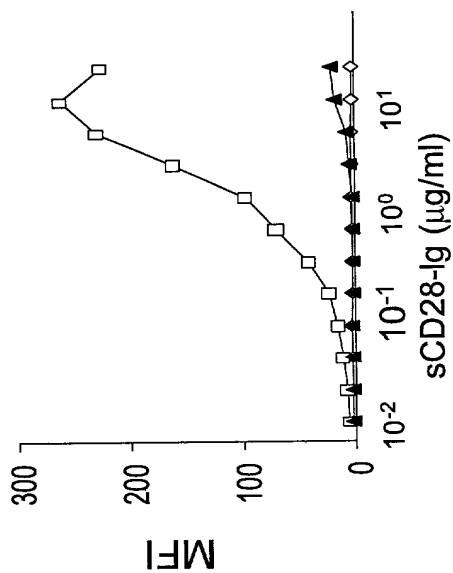


Fig. 9G

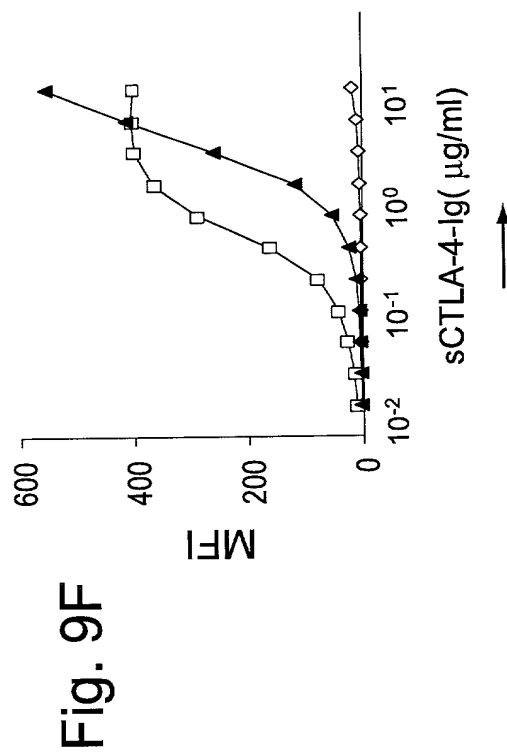


Fig. 9F

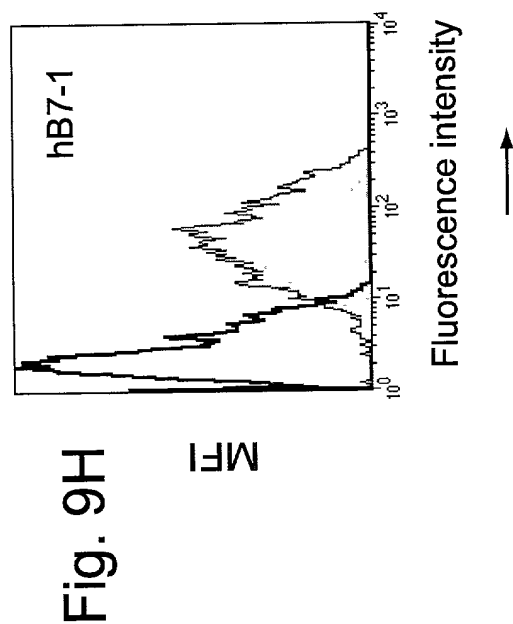


Fig. 9H

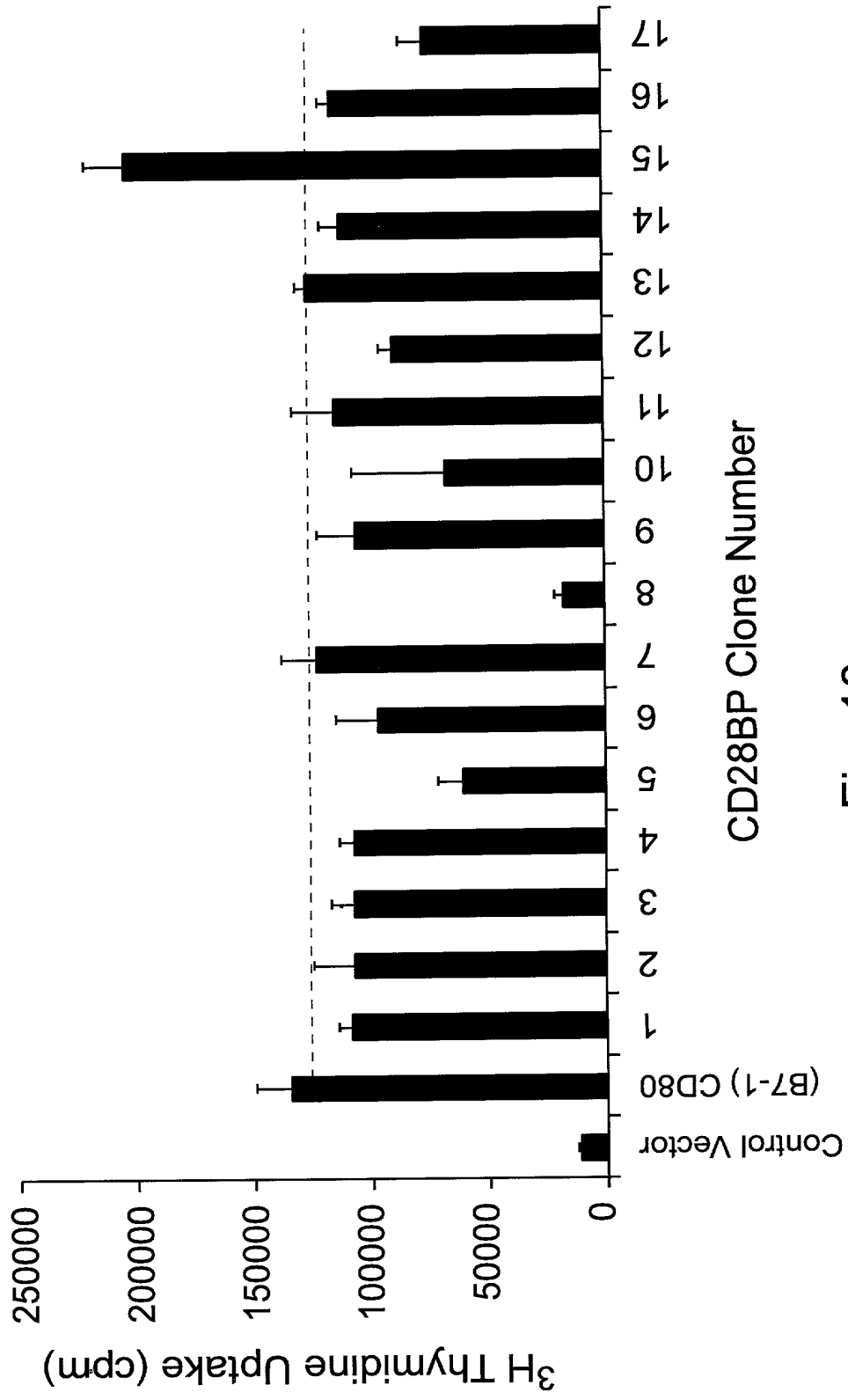


Fig. 10

Fig. 11A

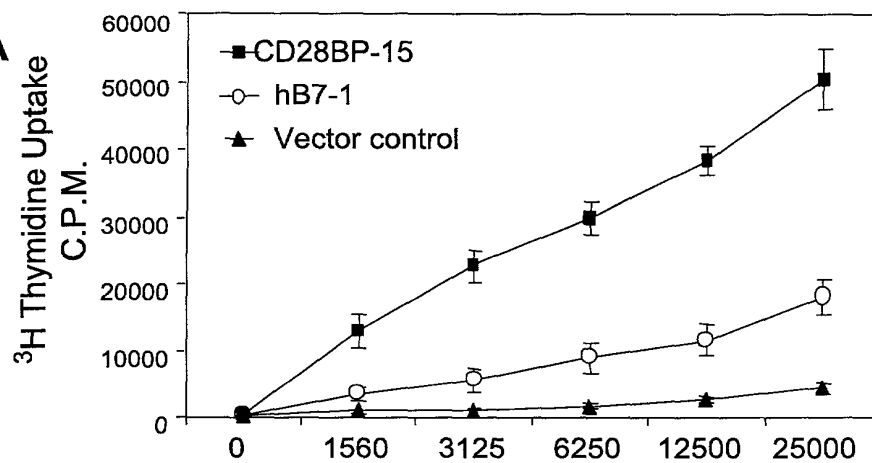


Fig. 11B

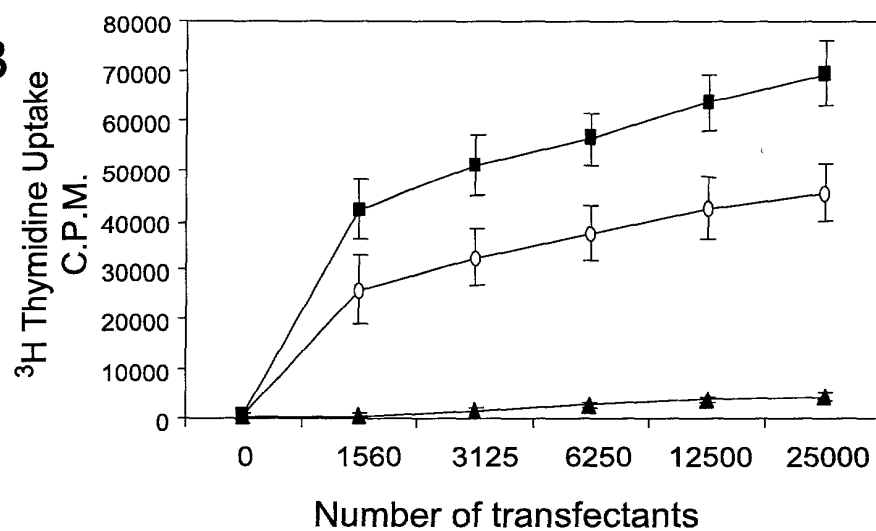
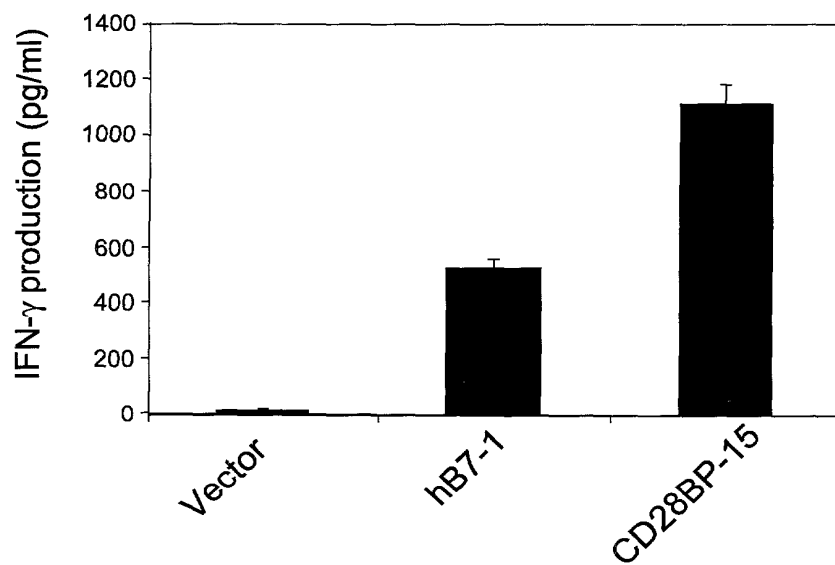


Fig. 11C



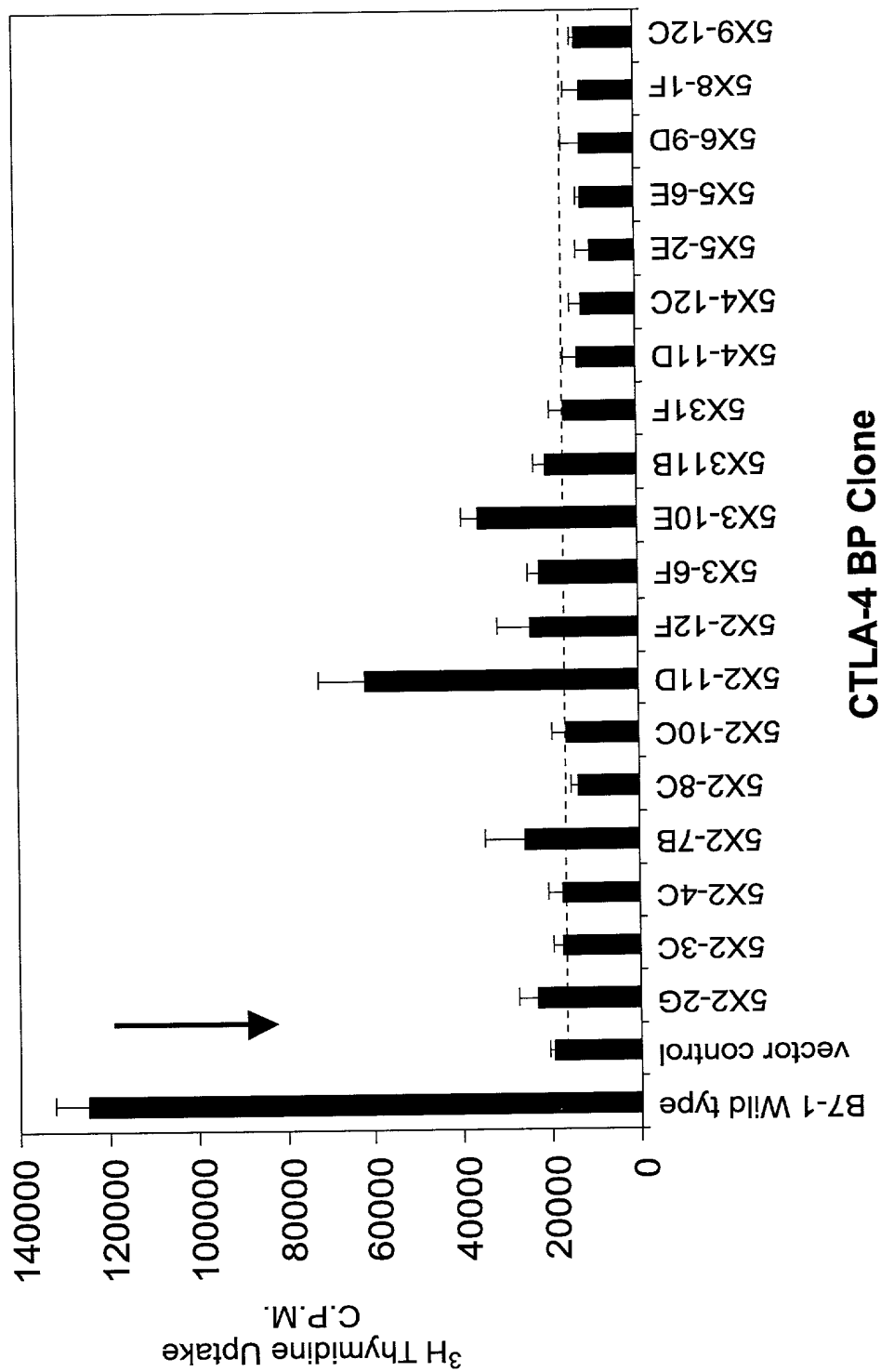


Fig. 12

Fig. 13A

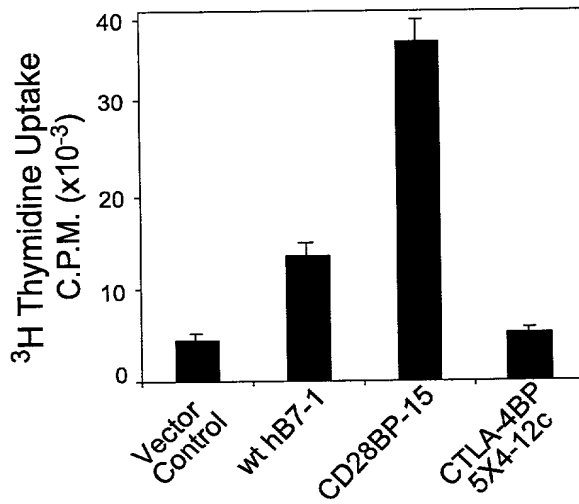


Fig. 13B

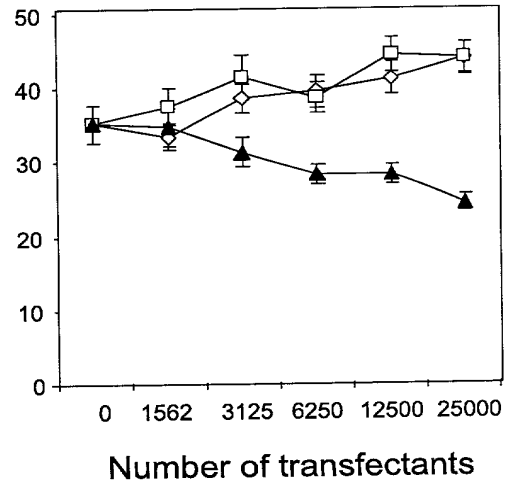


Fig. 13C

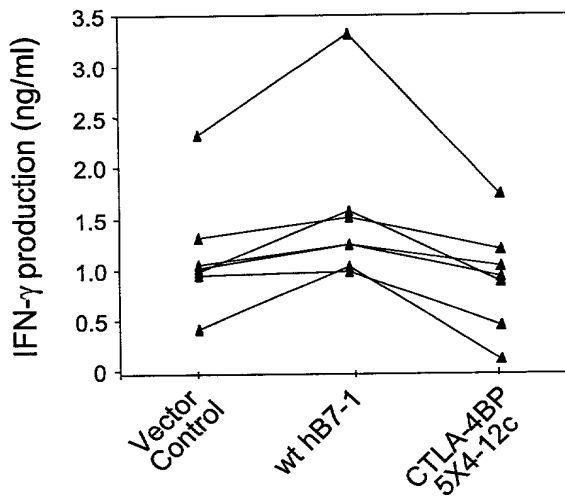


Fig. 13D

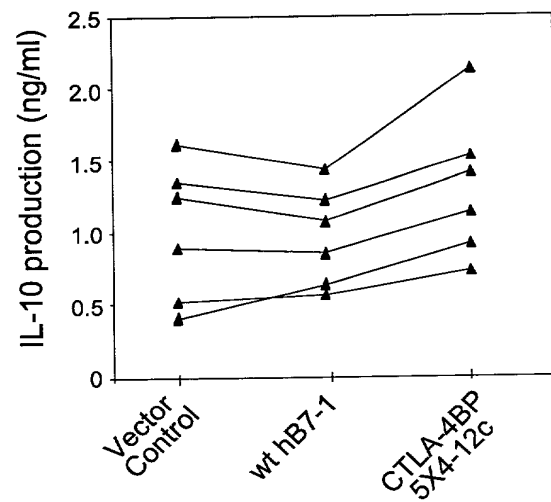


Fig. 14A

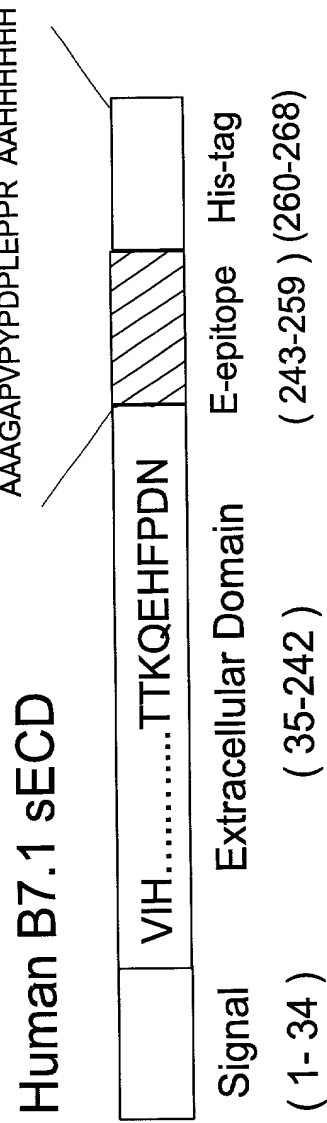
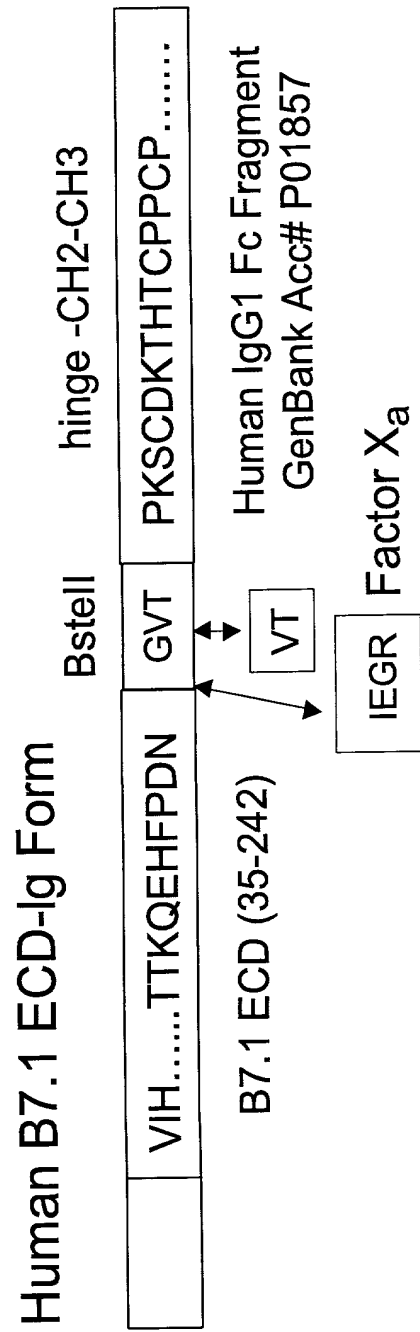


Fig. 14B



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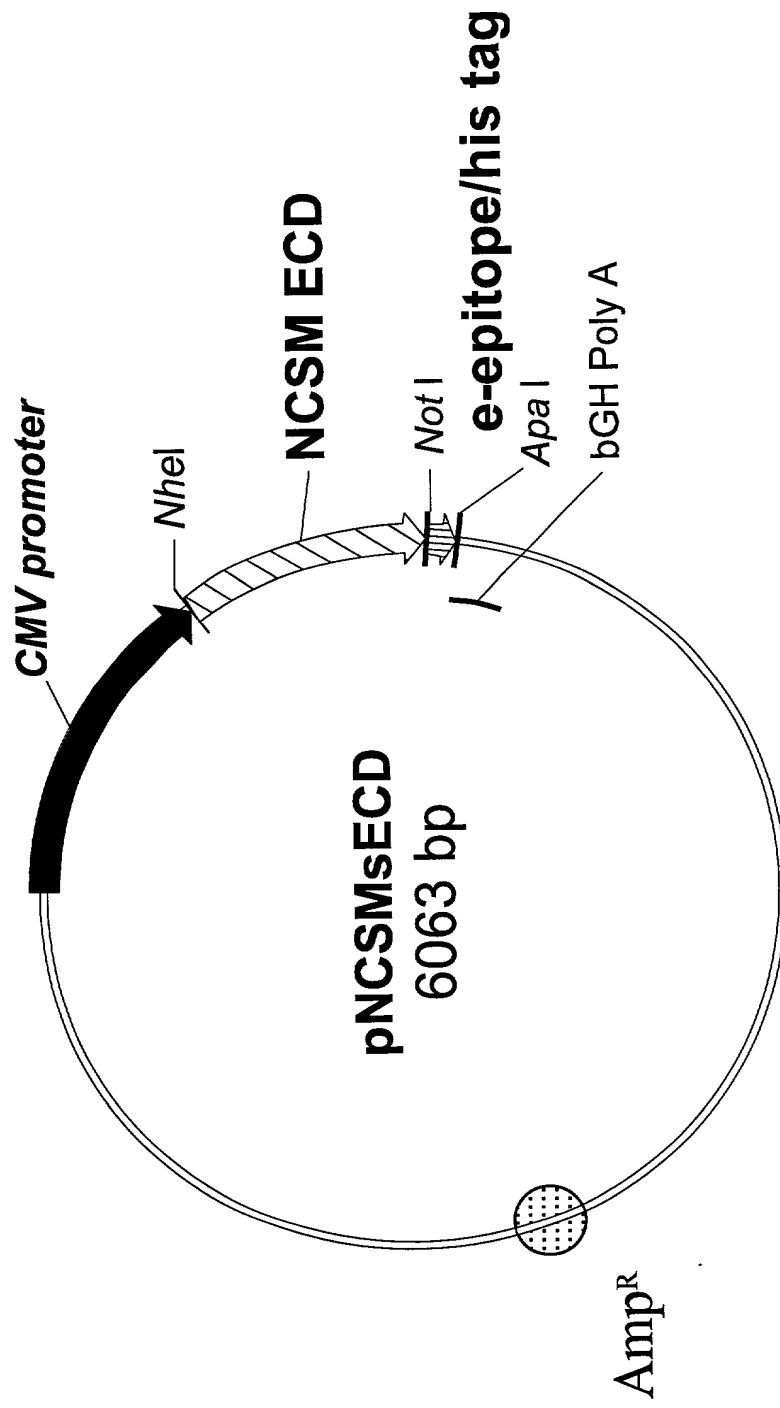


Fig. 15

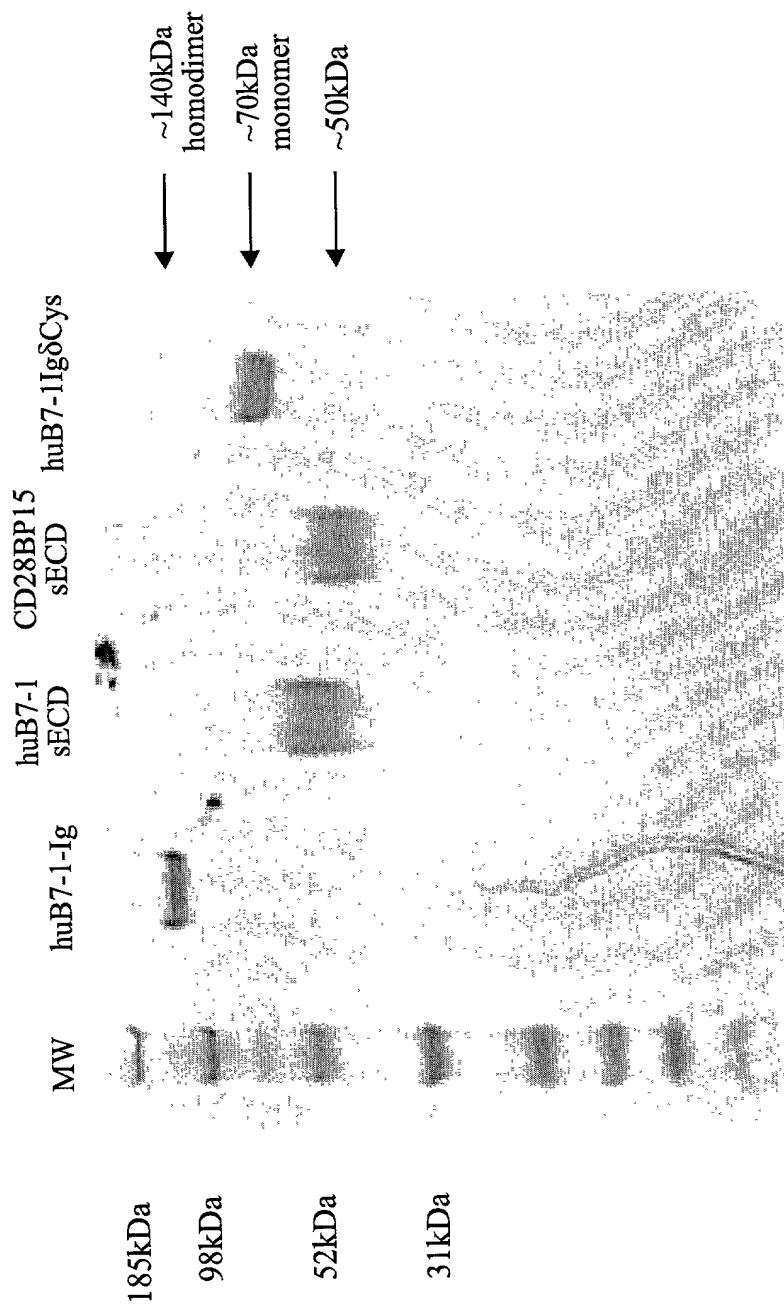


Fig. 16

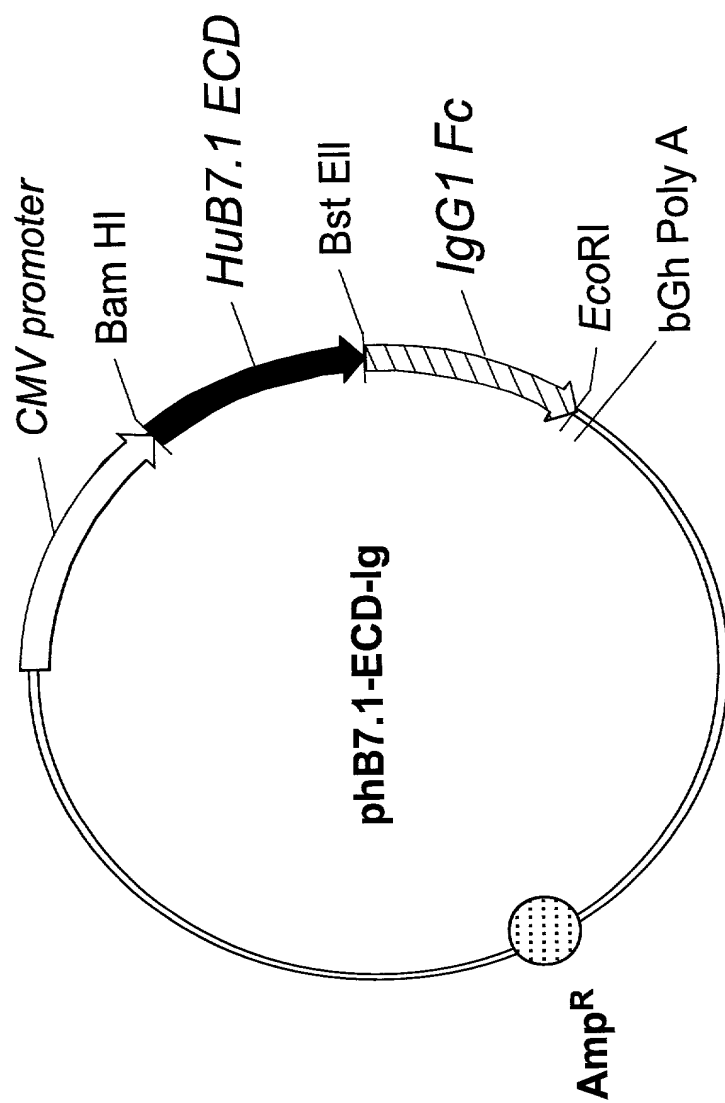


Fig. 17

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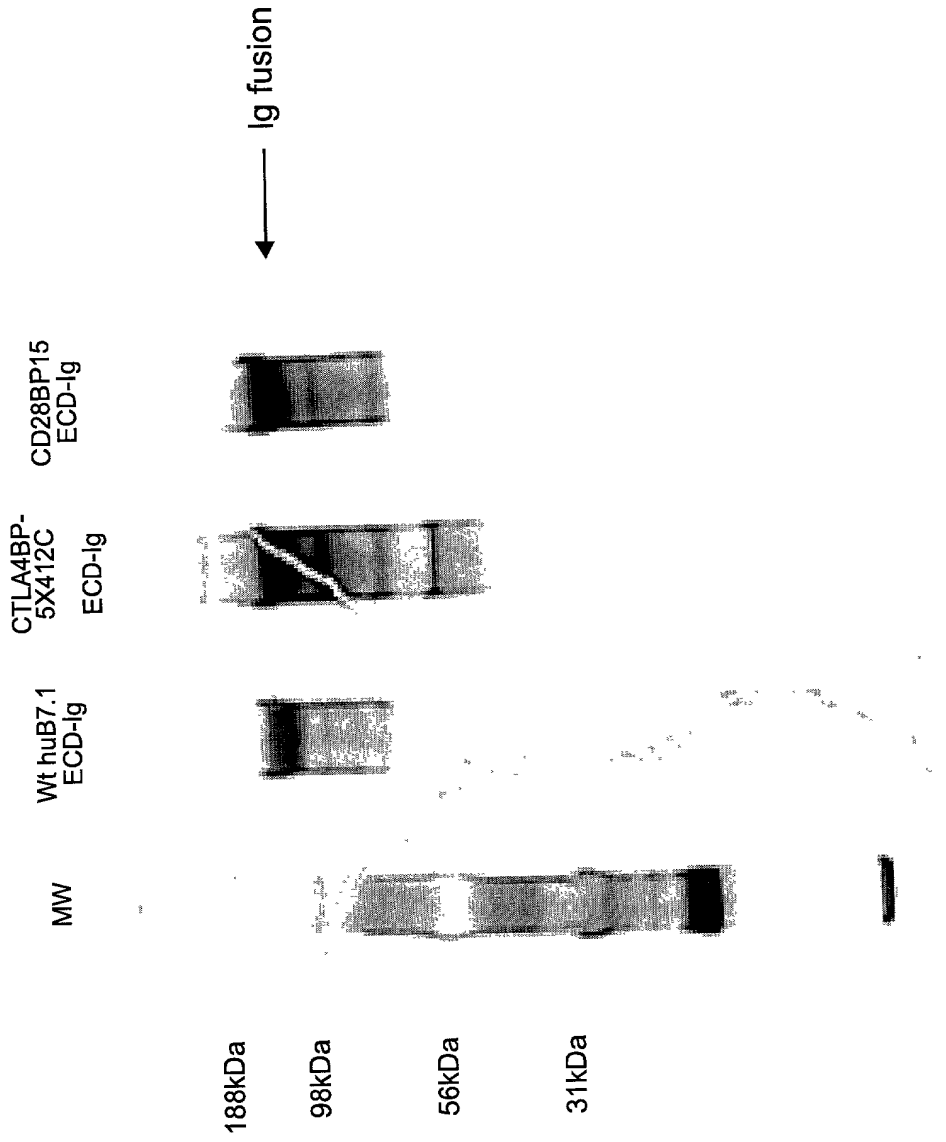


Fig. 18

Expression of CTLA-4BP-Ig and CD28BP-Ig Proteins

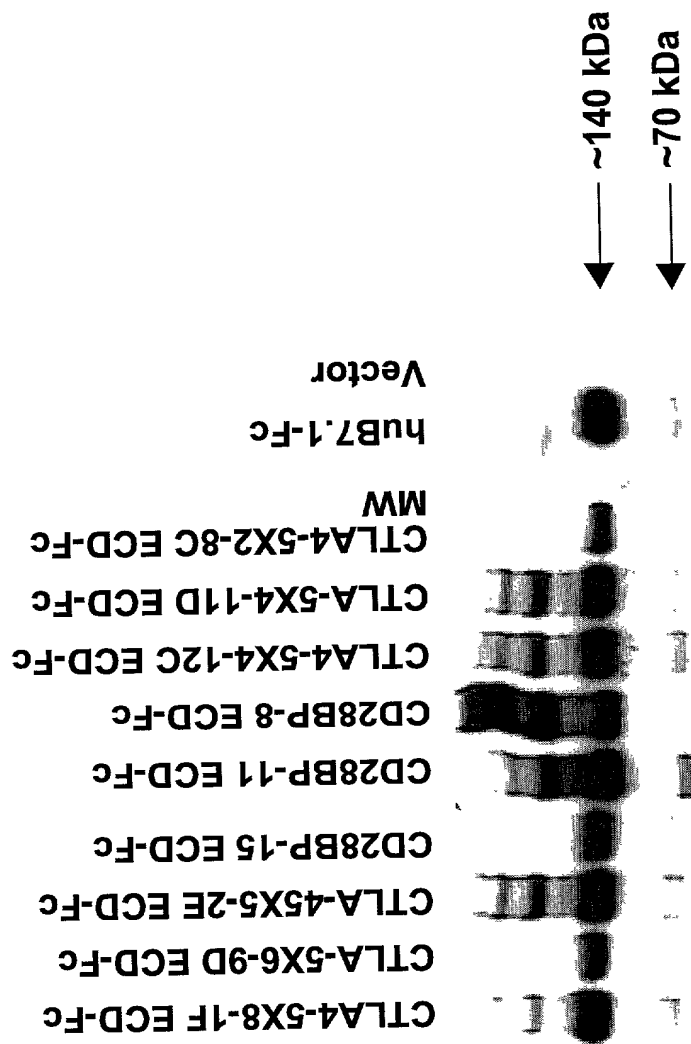


Fig. 19

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Fig. 20A

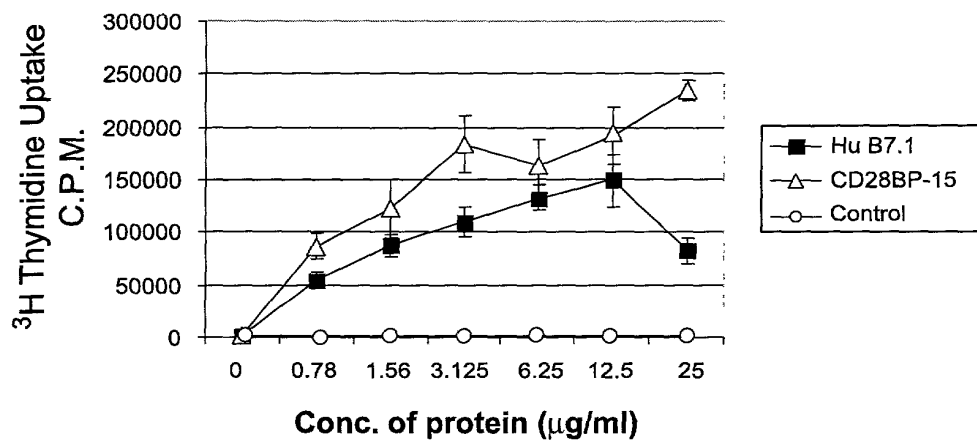
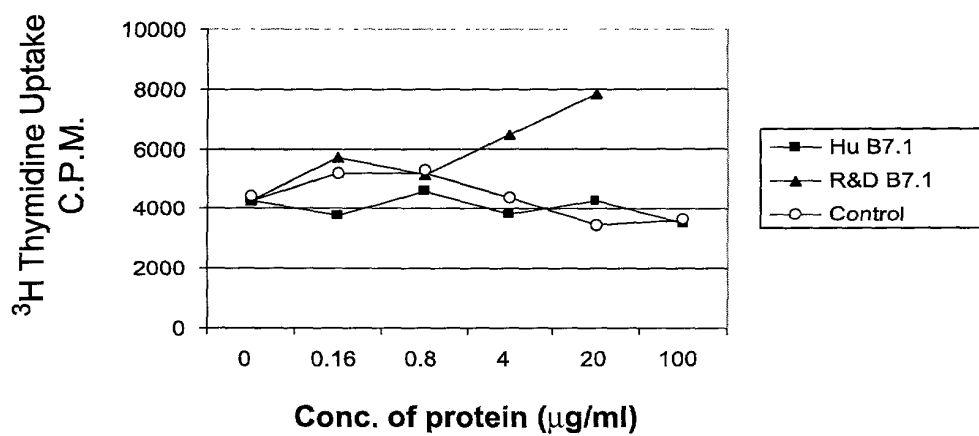


Fig. 20B



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Fig. 20C

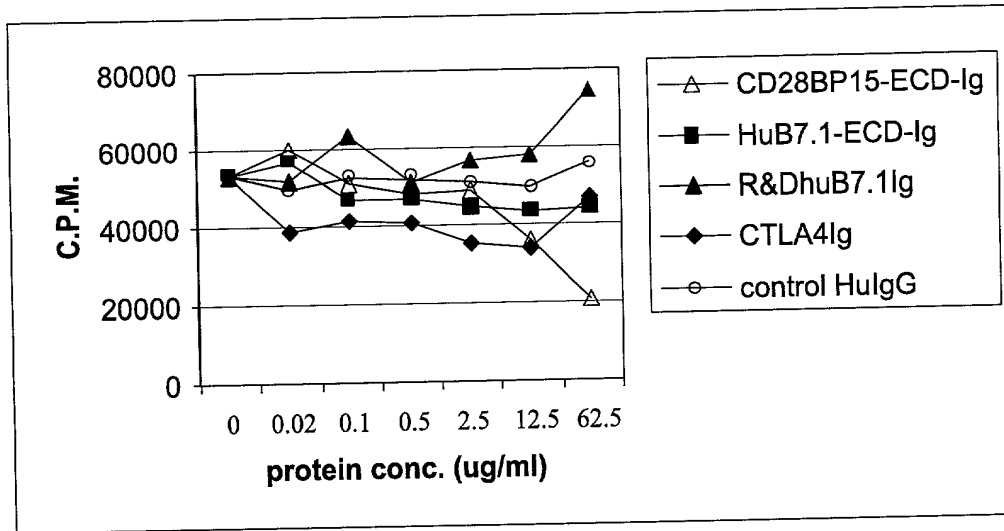
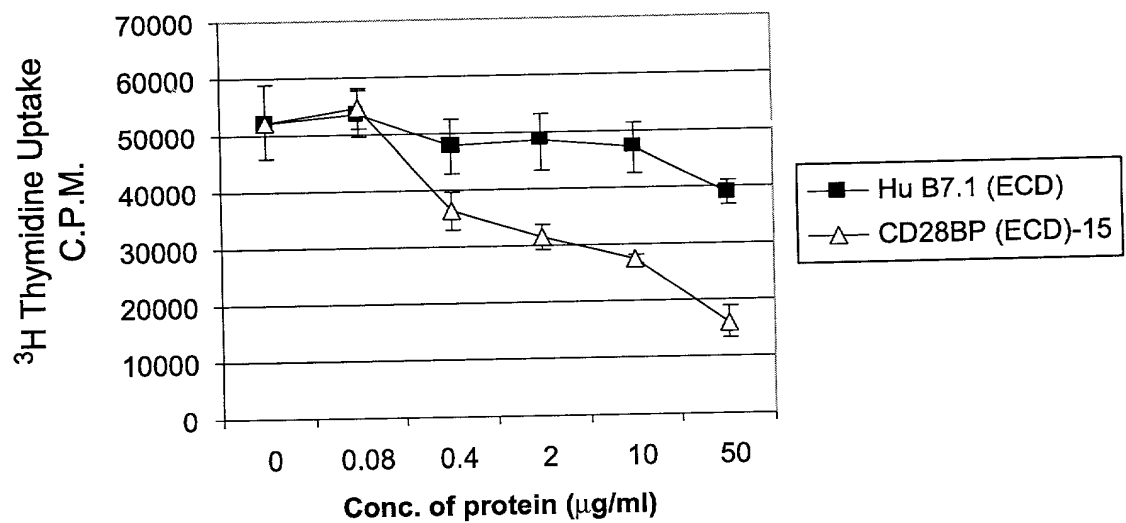


Fig. 20D



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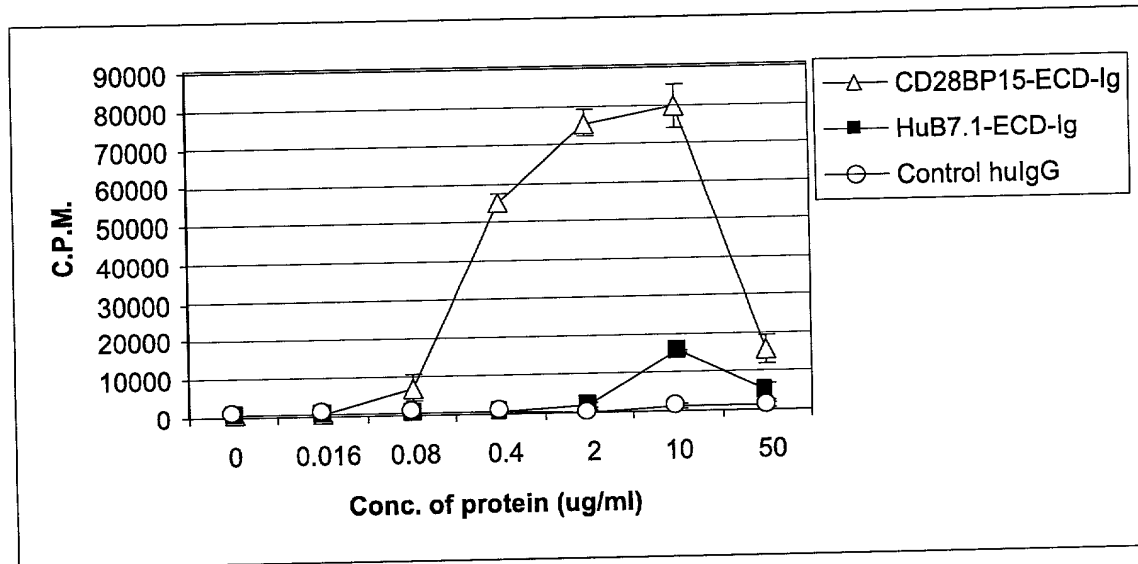


Fig. 20E

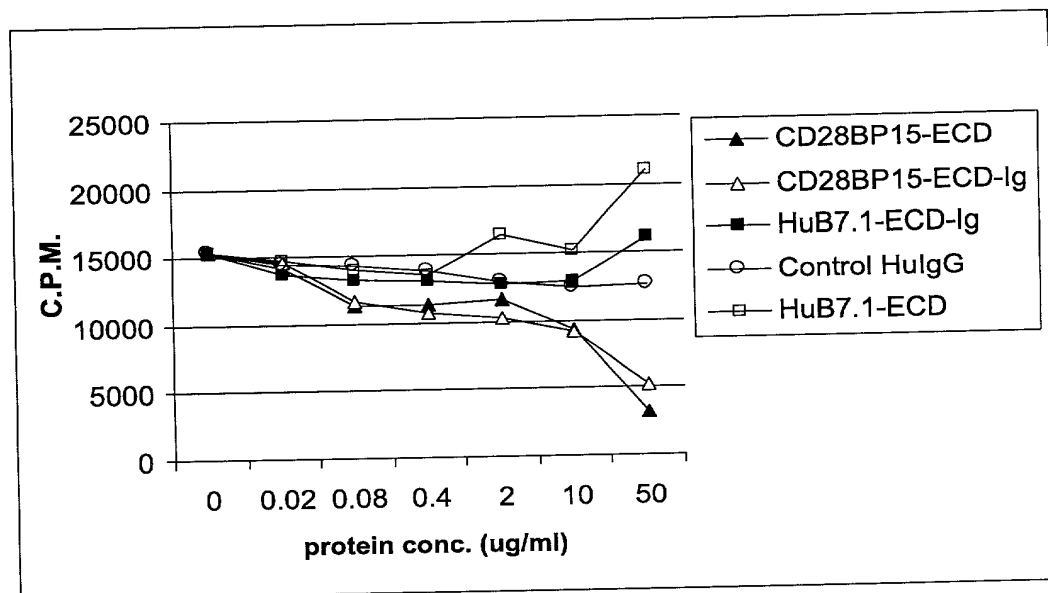


Fig. 20F

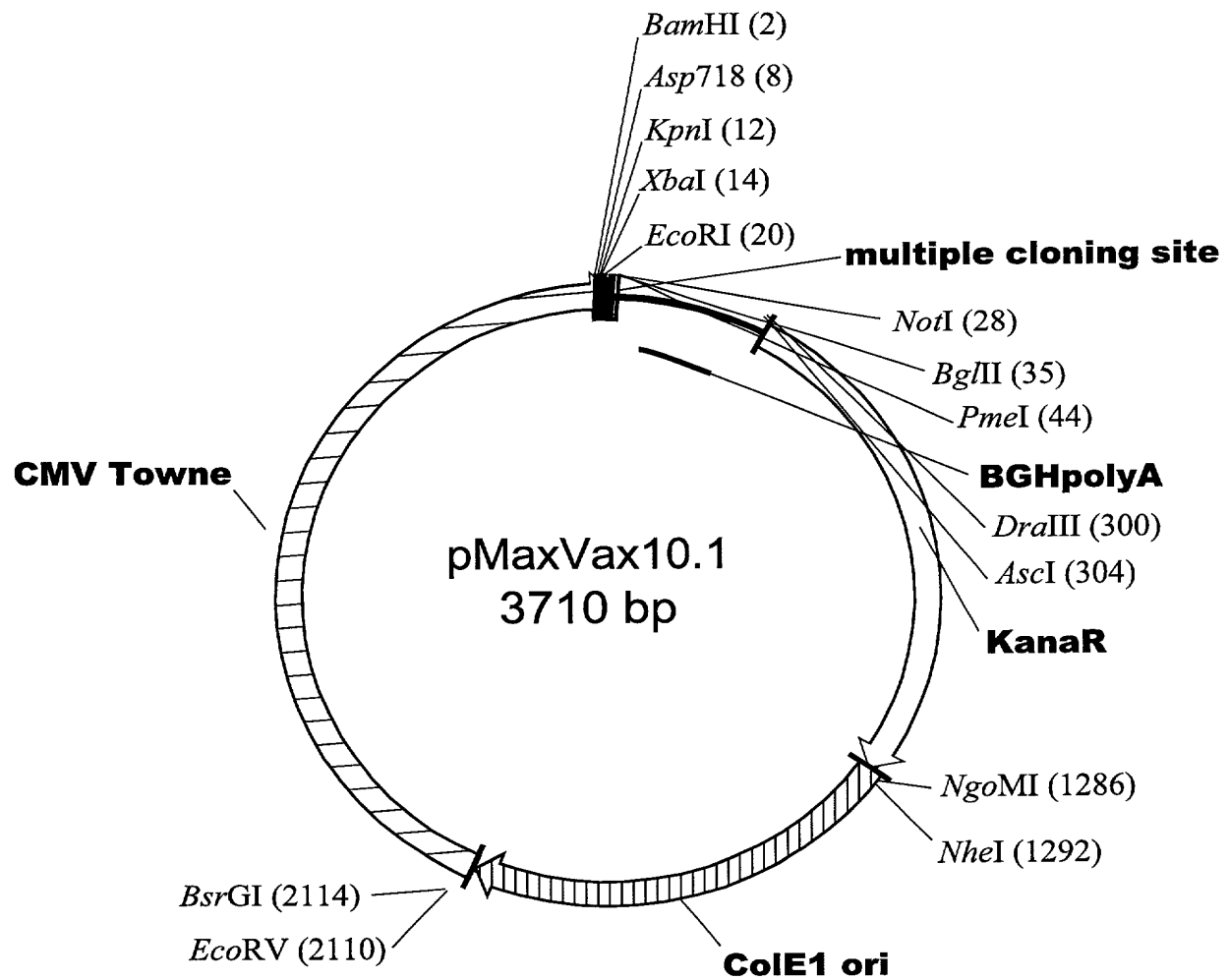


Fig. 21

Fig. 22A

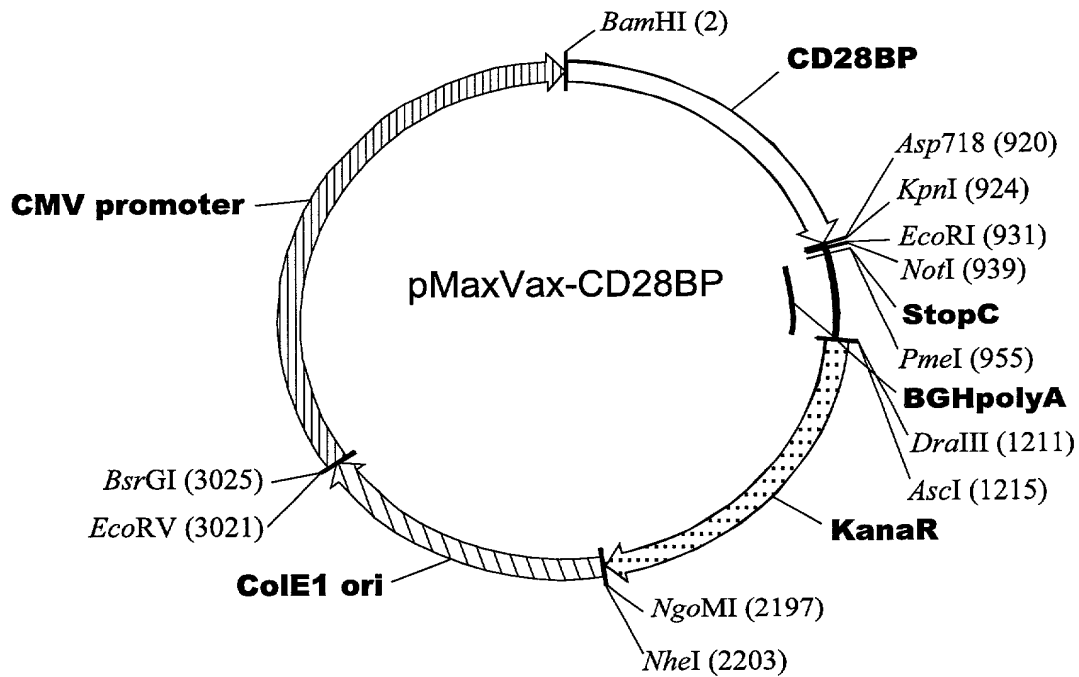
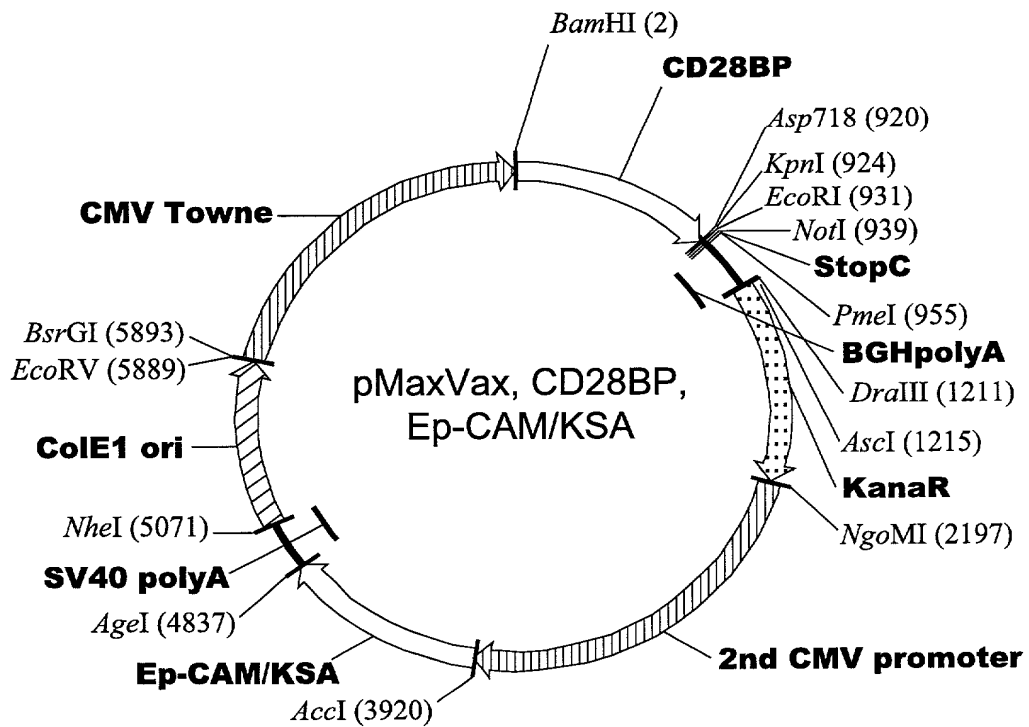


Fig. 22B



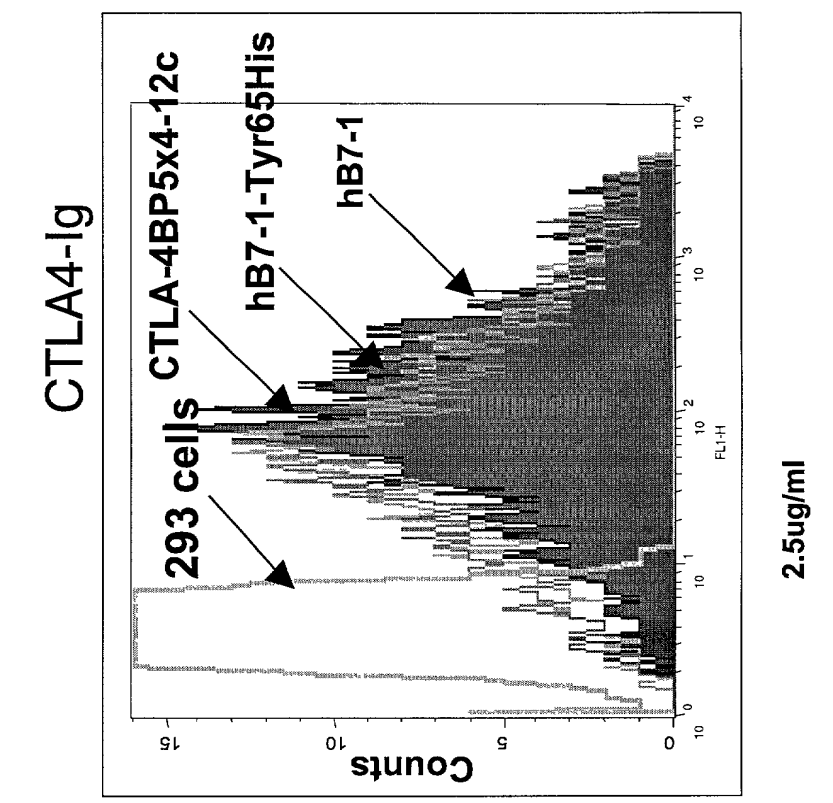


Fig. 23A

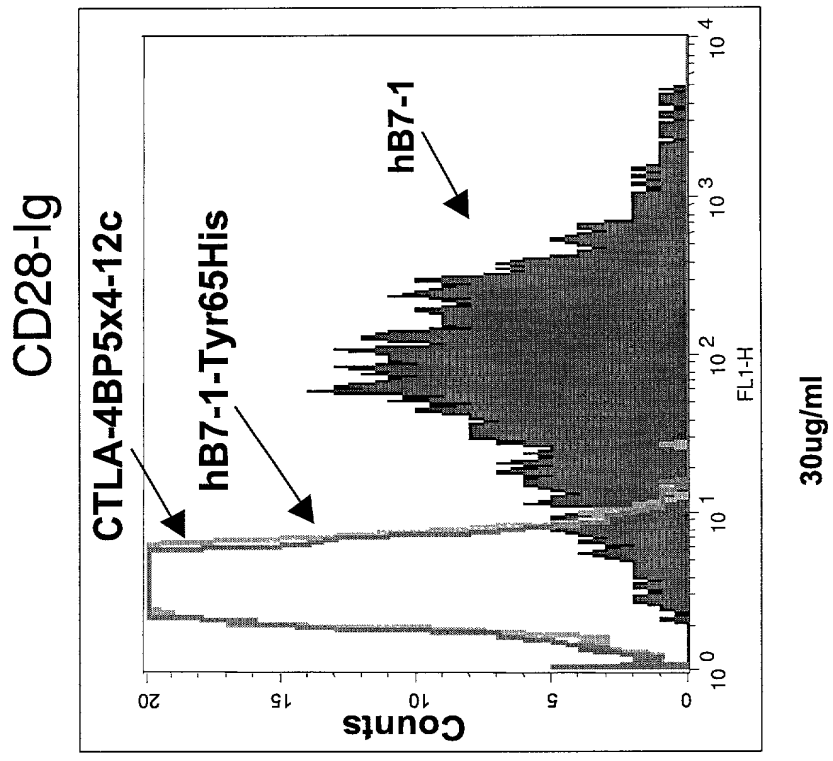


Fig. 23B

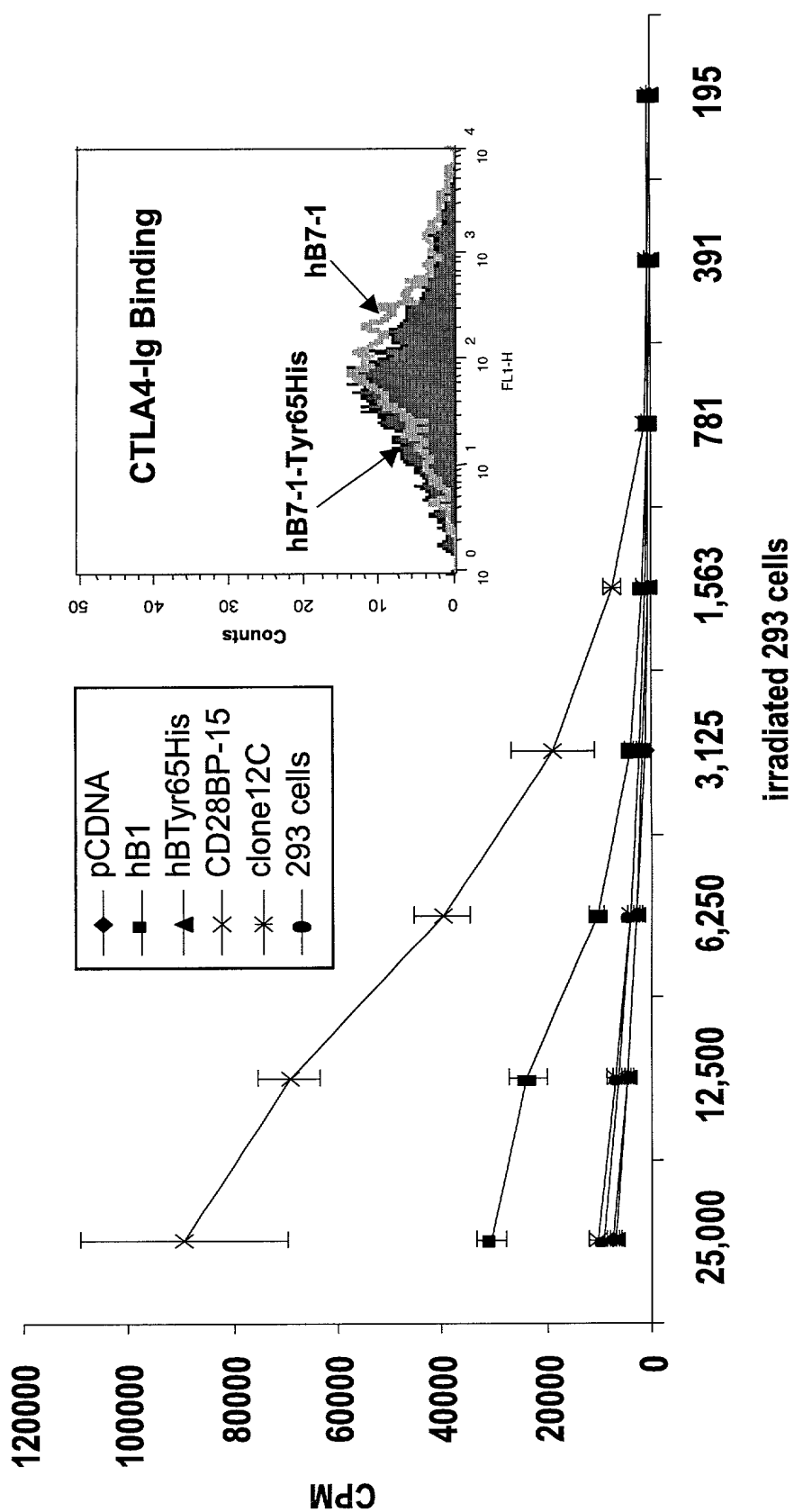


Fig. 24

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Fig. 25A

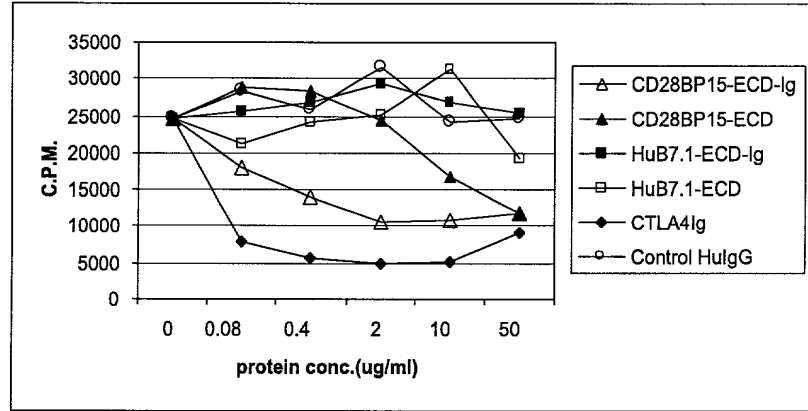


Fig. 25B

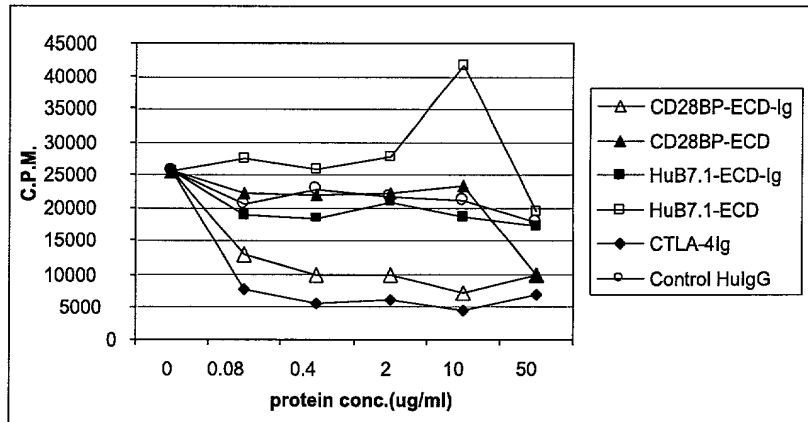


Fig. 25C

